SURGERY

Official Publication

SOCIETY OF UNIVERSITY SURGEONS

SOCIETY FOR VASCULAR SURGERY

Editors in Chief

Walter F. Ballinger
Washington University
School of Medicine
St. Louis, Mo. 63110

Theodore Drapanas
Department of Surgery
Tulane University School of Medicine
New Orleans, La. 70112

Editorial Board

William S. Blakemore
Philadelphia

Robert A. Chase
Stanford

Warren H. Cole
Asheville

Clarence Dennis
Brooklyn

Paul A. Ebert
New York

Richard H. Egdahl
Boston

William W. L. Glenn
New Haven

James D. Hardy
Jackson

Samuel L. Kountz
San Francisco

Lloyd D. MacLean
Montreal

Dwight C. McGoon
Rochester, Minn.

John S. Najarian
Minneapolis

Marshall J. Orloff
San Diego

Mark M. Ravitch
Pittsburgh

William Silen
Boston

William R. Waddell
Denver

W. Dean Warren
Miami

George D. Zuidema
Baltimore

Editors Emeritus

Alton Ochsner
New Orleans

Owen H. Wangensteen
Minneapolis

Volume 69
January—June, 1971

THE C. V. MOSBY COMPANY
St. Louis

VOLUME 69

Copyright © 1971 by

THE C. V. MOSBY COMPANY

All rights reserved

Printed in the United States of America

Index to volume 69

AUTHOR INDEX*

A

ABERDEEN, EOIN. (*See* Stark et al.), 483
ABOUNA, G. M., ALDRETE, J. A., AND STARZL, T. E. Changes in serum potassium and pH during clinical and experimental liver transplantation, 419
ABRAMS, MARTIN W. (*See* Bronsther, Nadeau, and Abrams), 130
ADAM, MAURICE. (*See* Lambert et al.), 393
AHLGREN, E. WARNER. (*See* Coppel et al.), 354
ALDRETE, J. A. (*See* Abouna, Aldrete, and Starzl), 419
ALICAN, FIKRI, CAYIRLI, MUKADDER, AND KEITH, VIRGINIA. One-stage hepatectomy in the dog with restoration of the vena cava by end-to-end anastomosis, 427
ALTMAN, BARRY. (*See* Bakhshish, Swamy, and Altman), 577
ANDERSON, MARION C. (*See* Kwaan, Anderson, and Gramatica), 663
APFELBERG, DAVID B., GLICKLICH, MARVIN, AND TANG, THOMAS T. Gastroduodenal intussusception in a child, 736
ARLEN, MYRON. (*See* Ramirez, Arlen, and Jourdain), 271
ASHBAUGH, D. G. (*See* King et al.), 533
—. (*See* King, Nakane, and Ashbaugh), 782
ASIMACOPOULOS, PANAYIOTIS J. (*See* Molokhia et al.), 741
AVILES, ENERO, ARLEN, MYRON, AND MILLER, THEODORE. Plantar fibromatosis, 117

B

BABOO, M. L. (*See* Singh, Baboo, and Pathak), 947
BAKER, PHILLIP L., KUENZIG, MARIAN, AND PELTIER, LEONARD F. Pulmonary lymph in experimental fat embolism, 686
BALLANTINE, THOMAS V. (*See* Coran et al.), 874
BALLINGER, WALTER F. Reply to letter by L. C. Leape (letter to editor), 953
— AND DRAPANAS, THEODORE. Announcement, 1
— AND —. Trauma: our permissive killer (editorial), 157
BARBOUR, BENJAMIN H. (*See* Berne, Turner, and Barbour), 588
BASSIN, R., VLADECK, B. C., KIM, S. I., AND SHOEMAKER, W. C. Comparison of hemodynamic responses of two experimental shock models with clinical hemorrhage, 722
BAUE, ARTHUR E. (*See* Nara, Geha, and Baue), 940
BEAUMONT, JAMES O. (*See* Osborn et al.), 24
BECKWITH, J. BRUCE. (*See* Cook and Beckwith), 251
BEDNARZ, BRIAN. (*See* Zikria, Bednarz, and Ferrer), 29
BEEBE, HUGH G. Grafts (letter to editor), 810
BEISANG, A. (*See* King et al.), 863
BENNETT, EDWARD J. (*See* Coppel et al.), 354
BERNE, THOMAS V., TURNER, A. FRANKLIN, AND BARBOUR, BENJAMIN H. Angiographic evaluation of Quinton-Scribner shunt malfunction, 588
BHALERAO, R. A., TRIVEDI, D. R., AND SEN, P. K. Lymphovenous anastomosis in the management of portal hypertension, 569
BIEGEL, ANGENIETA A. (*See* Bradley et al.), 805
BLUMENBERG, ROBERT M., AND TSAPOGAS, MAKIS J. Femoropopliteal reconstruction for advanced ischemia of the lower limb, 87
BLUMENSTOCK, DAVID A. (*See* Lempert and Blumenstock), 595
BOEREMA, I. Cause and repair of large incisonal hernias, 111
BOSWICK, JOHN A., JR. (*See* Sumner et al.), 899
BOUNOUS, GUSTAVO, AND HUGON, JEAN. Serum levels of intestinal alkaline phosphatase in relation to shock, 238
BOWLES, L. THOMPSON. (*See* Kradjian, Bowles, and Edwards), 523
BRADLEY, KENT P., MCELROY, J. THOMAS, CAMPBELL, FRED, DE QUESADA, ALEJANDRO M., SHIRES, DANA L., BIEGEL, ANGENIETA A., DONOHUE, JOHN P., AND GLOVER, JOHN L. Accelerated renal allograft rejection following blood transfusion, 805
—. (*See* King et al.), 554
BRAUNWALD, NINA S. (*See* Schutz, Bull, and Braunwald), 557
—. (*See* Turina, Bull, and Braunwald), 445
BRENNAN, L. PATRICK. (*See* Sanchez et al.), 183
BRONSTHER, BURTON, NADEAU, MICHAEL R., AND ABRAMS, MARTIN W. Congenital pyloric atresia: a report of three cases and a review of the literature, 130
BULL, BRIAN S. (*See* Schutz, Bull, and Braunwald), 557
—. (*See* Turina, Bull, and Braunwald), 445
BURKS, WILLIAM P. (*See* Chandler and Burks), 474
BUSBY, WILLIAM E. (*See* Stephenson et al.), 515
BUTTERFIELD, WILLIAM C. Current hiatal hernia repairs: similarities, mechanisms, and extended indications—an autopsy study, 910

C

CALINOG, TED A., AND MAGOVERN, GEORGE J. Simple technique of surgical evaluation of chronically damaged myocardium, 626
CAMPBELL, DARRELL A. (*See* Cromwell and Campbell), 300
CAMPBELL, FRED. (*See* Bradley et al.), 805
CARSON, WILLARD P. (*See* Lamis et al.), 498

*January, pp. 1-156; February, pp. 157-320; March, pp. 321-482; April, pp. 483-650; May, pp. 651-810; June, pp. 811-976.

CAYIRLI, MUKADDER. (*See* Alican, Cayirli, and Keith), 427
CHANDLER, JAMES J., AND BURKS, WILLIAM P. Popliteal artery occlusion by subadventitial pseudocyst: case report and summary of world literature, 474
CLARK, RICHARD E., AND MILLS, MITCHELL. Experimental evaluation of the Harvard pulsatile blood pump, Model No. 1405, 917
CLUNIE, G. J. A., MURPHY, K. J., LUKIN, L., NICOLL, P., AND MARSDEN, R. T. H. Autotransplantation of the kidney in the treatment of renovascular hypertension, 326
COCKERILL, EDWARD M. (*See* Miller, Cockerill, and Isch), 463
COHEN, DOUGLAS. (*See* Dey and Cohen), 542
COOK, RICHARD C. M., AND BECKWITH, J. BRUCE. Adrenal injury during repair of diaphragmatic hernia in infants, 251
COPPEL, DENNIS L., BENNETT, EDWARD J., AHLGREN, E. WARNER, AND STEPHEN, C. R. The prophylactic use of a nasotracheal tube in infants under three months of age, 354
CORAN, ARNOLD G., BALLANTINE, THOMAS V., HORWITZ, DAVID L., AND HERMAN, CLIFFORD M. The effect of crystalloid resuscitation in hemorrhagic shock on acid-base balance: a comparison between normal saline and Ringer's lactate solutions, 874
CLOWARD, RALPH B. Complications of anterior cervical disc operation and their treatment, 175
CRIBLEZ, THOMAS L. (*See* Sumner et al.), 899
CRITCHLOW, WILLIAM C. (*See* Heeb, Dupont, and Critchlow), 932
CROMWELL, TERRY A., AND CAMPBELL, DARRELL A. Eosinophilic gastritis: a case report and etiological investigation, 300
CROUT, J. RICHAFD. (*See* Heinbach and Crout), 582
CUDERMAN, BART S., ROBACK, STACY A., WEINTRAUB, WILLIAM H., AND LEONARD, ARNOLD S. Volvulus of the transverse colon, 797

D

DAY, STACEY B. In old St. John's burying ground on Mulberry Street, 895
DELANEY, THOMAS A., AND GONZALEZ, LUIS L. Occlusion of popliteal artery due to muscular entrapment, 97
DEMAIO, ENRICO F. (*See* Greenstein, DeMaio, and Nabseth), 56
DE QUESADA, ALEJANDRO M. (*See* Bradley et al.), 805
DEY, DAVID L., AND COHEN, DOUGLAS. The surgery of female epispadias, 542
DILLON, M. L. (*See* Postlethwait and Dillon), 829
DIOMI, P., MATHESON, N. A., NORMAN, J. N., AND SHEARER, J. R. The renal response to dextran 40 in dogs with renal artery constriction, 256
DOMBRO, C. R., AND RAGINS, H. Histamine metabolism in the dog stomach as determined by intra-arterial infusion of histamine-^{14}C, 504
DONOHUE, JOHN P. (*See* Bradley et al.), 805
—. (*See* King et al.), 554
DOOLITTLE, WILLIAM H. (*See* Sumner et al.), 899
DRAGSTEDT, LESTER R. (*See* Isaza, Woodward, and Dragstedt), 441
DRAPANAS, THEODORE. (*See* Ballinger and Drapanas), 1, 157
DUNPHY, J. ENGELBERT. International trauma symposium: the challenge (editorial), 159
DUPONT, JEAN-R. (*See* Heeb, Dupont, and Critchlow), 932

E

EDLICH, RICHARD F. (*See* Molina et al.), 680
EDWARDS, W. STERLING. (*See* Kradjian, Bowles, and Sterling), 523
EISEMAN, B. (*See* Reich and Eiseman), 928
EISENFELD, ARNOLD J. (*See* Fischer and Eisenfeld), 655
ENGELSHER, HARVEY J. An adjustable, semirigid retention suture guard, 317
ENRIGHT, LEE P., HANCOCK, E. WILLIAM, AND SHUMWAY, NORMAN E. Aortic debridement: long-term follow-up, 404
ERNST, C. B., AND FRY, WILLIAM J. Temporary aorta—left renal vein transposition: a simplified approach to the management of the aortic cuff in high aortic occlusions, 314
ERSEK, R. A. (*See* King et al.), 863
ERVE, PETER R. (*See* Schumer and Erve), 699
ESCHER, DORIS J. W. (*See* Furman et al.), 121
ESTERLY, JAMES A. (*See* Stephenson et al.), 515
EUSEBIO, ERNESTO B. (*See* Howard et al.), 306
EWING, MAURICE R. (*See* Garrow, Stephens, and Ewing), 881

F

FAVARA, BLAISE E. (*See* Wrenn and Favara), 858
FERRER, JOSÉ M. (*See* Zikria, Bednarz, and Ferrer), 29
FILLER, ROBERT. (*See* Mestel et al.), 75
FIROR, HUGH V. Omphalocele—an appraisal of therapeutic approaches, 208
FISCHER, JOSEF E., AND EISENFELD, ARNOLD J. Alterations in ^{3}H-estradiol distribution following portacaval shunt, 655
FONKALSRUD, ERIC W. (*See* O'Connell and Fonkalsrud), 373
FREDLUND, PER E., AND VANG, JOHANNES P. A new and simple flowmeter for use in extracorporeal circuits, 52
FRY, WILLIAM J. (*See* Ernst and Fry), 314
FURMAN, SEYMOUR, VIJAYNAGAR, RAGHAVENDRA, ROSENBAUM, ROBERT, MCMULLEN, MIMI, AND ESCHER, DORIS J. W. Lethal sequelae of intra-aortic balloon rupture, 121
FUSELIER, PHILIP F. (*See* McDonald et al.), 189

G

GARDNER, BERNARD, OSTROWITZ, ARTHUR, AND MASUR, RICHARD. Reappraisal of the possible role of heparin in solution of gallstones: a clinical extension of laboratory studies in removal of retained common duct stones, 854
GARROW, C., STEPHENS, L. J., AND EWING, MAURICE R. Evaluation of surgical masks: the potential of resin-treated wool, 881
GARZON, ANTONIO A. (*See* Gourin, Garzon, and Karlson), 651
GEHA, ALEXANDER S. (*See* Nara, Geha, and Baue), 940
GEISSINGER, WILLIAM T. (*See* Lefer et al.), 220
—. (*See* Wangensteen et al.), 410

GEIST, RICHARD E., AND JONES, RAYFORD S. The effect of atropine on bile secretion in dogs, 563
GENTON, E. (*See* King et al.), 533
GER, RALPH. The surgical management of decubitus ulcers by muscle transposition, 106
GERBODE, FRANK. (*See* Osborn et al.), 24
GIELCHINSKY, ISAAC, AND MCNAMARA, JOSEPH J. Flechette wounds of the heart, 229
GIRDANY, BERTRAM R. (*See* Sane, Sieber, and Girdany), 599
GLENN, THOMAS M. (*See* Lefer et al.), 220
—. (*See* Wangensteen et al.), 410
GLICKLICH, MARVIN. (*See* Apfelberg, Glicklich, and Tang), 736
GLOVER, JOHN L. (*See* Bradley et al.), 805
—. (*See* King et al.), 554
GOLD, MICHAEL S., WINSLOW, PAUL R., AND LITT, IRIS F. Carcinoid tumors of the rectum in children: a review of the literature and report of a case, 394
GOLDBERG, STANLEY M. (*See* Howard et al.), 306
GOLINKO, RICHARD J. (*See* Mestel et al.), 75
GONZALEZ, LUIS L. (*See* Delaney and Gonzalez), 97
GOOD, ROBERT A. (*See* McKneally and Good), 166
—. (*See* McKneally, Sutherland, and Good), 345
GOURIN, ANATOLE, GARZON, ANTONIO A., AND KARLSON, KARL E. The cervicomediastinal approach to intrathoracic goiter, 651
GRAMATICA, LUIS. (*See* Kwaan, Anderson, and Gramatica), 663
GREEN, GEORGE E., HUTCHINSON, JOHN E., III, AND MCCORD, COLIN. Choice of saphenous vein segments for aortocoronary grafts, 924
GREENSTEIN, ADRIAN, DEMAIO, ENRICO F., AND NABSETH, DONALD C. Acute hemorrhage associated with pancreatic pseudocysts, 56
GRIFFITH, CHARLES A. (*See* Kilby and Griffith), 702
—. (*See* Kilby and Griffith), 633
GROSFELD, JAY L., KONTRAS, STELLA B., AND SOMMER, ANNEMARIE. Chromosomal abnormalities of the E group and surgical anomalies in neonates, 451
GWINN, JOHN L. (*See* Mahour et al.), 936

H

HAIMOV, M., SINGER, A., AND SCHUPAK, E. Access to blood vessels for hemodialysis: experience with 87 patients on chronic hemodialysis, 884
HALL, ALBERT D. (*See* Moore, Rosson, and Hall), 825
HANCOCK, E. WILLIAM. (*See* Enright, Hancock, and Shumway), 404
HARRIS, J. D., AND JEPSON, R. P. Entrapment of the popliteal artery, 246
HARRIS, NICK. (*See* Merino et al.), 904
HAWK, WILLIAM A. (*See* Hertzer, Hawk, and Hermann), 839
HAYS, DANIEL M. (*See* Mahour et al.), 936
HEEB, MAX A. Deep soft tissue abcesses secondary to nonpenetrating trauma, 550
—, DUPONT, JEAN-R., AND CRITCHLOW, WILLIAM C. Complete avulsion of kidney into chest complicated by hypofibrinogenemia, 932
HEIMBACH, DAVID M., AND CROUT, J. RICHARD. Treatment of paralytic ileus with adrenergic neuronal blocking drugs, 582
HEIMLICH, HENRY J. Sponge stick aspirator: a new technique, 137
HENDREN, W. HARDY. (*See* Williams and Hendren), 708
HERMAN, CLIFFORD M. (*See* Coran et al.), 874
HERMANN, ROBERT E. (*See* Hertzer, Hawk, and Hermann), 839
HERRINGTON, J. LYNWOOD, JR. (*See* Sawyers and Herrington), 263
HERTZER, NORMAN R., HAWK, WILLIAM A., AND HERMANN, ROBERT E. Inflammatory lesions of the liver which simulate tumor: report of two cases in children, 839
HILL, J. DONALD. (*See* Osborn et al.), 24
HOLGERSEN, LEIF O., MILLER, ROBERT E., AND ZINTEL, HAROLD A. Juvenile polyps of the colon, 288
—, WHITE, JOHN J., JR., AND WEST, JOHN P. Emphysematous cholecystitis: report of five cases, 102
HOLLOMAN, G. H., JR. (*See* Neeley et al.), 309
HOLMAN, DARRELL J. (*See* Jones and Holman), 380
HORWITZ, DAVID L. (*See* Coran et al.), 874
HOWARD, RICHARD J., MANNAX, STANLEY J., EUSEBIO, ERNESTO B., SHEA, MICHAEL A., AND GOLDBERG, STANLEY M. Colitis cystica profunda, 306
HOYLE, CLIFFORD. (*See* Touloukian, Mitruka, and Hoyle), 637
HUCIN, BOHUMIL. (*See* Stark et al.), 483
HUGON, JEAN. (*See* Bounous and Hugon), 238
HUTCHINSON, JOHN E., III. (*See* Green, Hutchinson, and McCord), 924

I

IDE, HIROKO. (*See* Nakayama et al.), 800
IMAMURA, E. S. TATSUNO, KATSUHIKO, AND SAKAKIBARA, SHIGERU. Heterologous pulmonary valve and prosthetic tube as a substitute for right ventricular outflow, 716
ISAZA, JAIME, WOODWARD, EDWARD R., AND DRAGSTEDT, LESTER R. Bile regurgitation and gastric ulcer, 441
ISCH, JOHN H. (*See* Miller, Cockerill, and Isch), 463
ISHIDA, MASANOBU. (*See* Tsuchida and Ishida), 776
ITO, CHIKASHI, AND MASON, EDWARD E. Gastric bypass and pancreatic secretion, 526

J

JAFFE, BERNARD M., MCGUIGAN, JAMES E., AND NEWTON, WILLIAM T. Gastric resistance following immunization to the C-terminal tetrapeptide amide of gastrin, 232
—. (*See* Newton and Jaffe), 34
JEPSON, R. P. (*See* Harris and Jepson), 246
JOHNSON-GILBERT, R. S. International Federation of Surgical Colleges (report of meeting), 650
JOHNSTON, PAUL W. (*See* Mahour et al.), 936
JONES, RAYFORD S. (*See* Geist and Jones), 563
JONES, S. AUSTIN, AND HOLMAN, DARRELL J. An improved T tube, 380
JOSEPH, WILLIAM L., MELEWICZ, FRANK, AND MORTON, DONALD L. Delayed cutaneous hypersensitivity to dinitrochlorobenzene as a method of quantitating immunosuppressive therapy for organ transplantation, 847
JOURDAIN, LUIS M. (*See* Ramirez, Arlen, and Jourdain), 271

JURANI, PATERNO. (*See* Wilder, Lotfi, and Jurani), 546
JUVARA, I., PRISCU, AL., AND RĂDULESCU, D. Intercholedochoduodenal vesicular tubular plasty, 268

K

KARLSON, KARL E. (*See* Gourin, Garzon, and Karlson), 651
KEITH, VIRGINIA. (*See* Alican, Cayirli, and Keith), 427
KENIN, ABEL. (*See* Mestel et al.), 75
KENT, THOMAS H. (*See* Soper and Kent), 692
KERTH, WILLIAM J. (*See* Osborn et al.), 24
KHODADAD, GHAHREMAN. Long-term results of microvascular repair and replacement, 397
KILBY, JOHN O., AND GRIFFITH, CHARLES A. The relationships of gastric transection and vagotomy to gastric emptying, 633
— AND —. Selective and total vagotomy with suprapyloric antrectomy: a comparative study of gastric secretion and emptying in dogs, 702
KIM, S. I. (*See* Bassin et al.), 722
KING, E. G., NAKANE, P. K., AND ASHBAUGH, D. G. The canine oleic acid model of fibrin localization in fat embolism, 782
—, WEILY, H. S., GENTON, E., AND ASHBAUGH, D. G. Consumption coagulopathy in the canine oleic acid model of fat embolism, 533
KING, LEROY H., JR., BRADLEY, KENT P., SHIRES, DANA L., JR., DONOHUE, JOHN P., AND GLOVER, JOHN L. Bacterial endocarditis in chronic hemodialysis patients: a complication more common than previously suspected, 554
KING, W. L., ERSEK, R. A., ROZELLE, L. T., PETERSEN, E. D., BEISANG, A., AND LILLEHEI, R. C. Technique for predicting the effectiveness of aortic valve preservation methods, 863
KIRKLIN, JOHN W. (*See* Pacifico, Thomas, and Kirklin), 93
KIRKPATRICK, JOHN R., AND MILLER, DON R. Effects of decreased arterial inflow and runoff on vein graft patency, 870
KITTLE, C. FREDERICK. (*See* Zajtchuk, Yacoub, and Kittle), 194
KJELLSTRAND, CARL M. (*See* Simmons et al.), 201
KLEBANOFF, GERALD. (*See* Osteen and Klebanoff), 276
KONTRAS, STELLA B. (*See* Grosfeld, Kontras, and Sommer), 451
KRADJIAN, ROBERT, BOWLES, L. THOMPSON, AND EDWARDS, W. STERLING. Peripheral arterial disease in Ceylon, 523
KRAGELUND, EBBE. Loss of fluid and blood to the peritoneal cavity during abdominal surgery, 284
KUENZIG, MARIAN. (*See* Baker, Kuenzig, and Peltier), 686
KWAAN, HAU C., ANDERSON, MARION C., AND GRAMATICA, LUIS. A study of pancreatic enzymes as a factor in the pathogenesis of disseminated intravascular coagulation during acute pancreatitis, 663

L

LABAT, RICARDO. (*See* Schon and Labat), 748
LAMB, FRED S., SILVA, YVAN J., AND WALT, ALEXANDER J. Thomas Blizard Curling—the man and the ulcer, 646
LAMBERT, CARY, MITCHEL, BEN F., ADAM, MAURICE, AND SHIEKH, SHAFFUDIN. A modified technique for secure median sternotomy closure, 393
LAMIS, PANO A., CARSON, WILLARD P., WILSON, JOHN P., AND LETTON, A. H. Recognition and treatment of fibromuscular hyperplasia of the internal carotid artery, 498
LANDAU, STANLEY. (*See* Mestel et al.), 75
LAPIDES, JACK. Urinary diversion, 142
LEAPE, LUCIAN L. Full-time system (letter to editor), 952
LEE, EDGAR, JR. Trauma programs: where is the support? (editorial), 164
LEFER, ALLAN M., GLENN, THOMAS M., O'NEILL, THOMAS J., LOVETT, WILLIAM L., GEISSINGER, WILLIAM T., AND WANGENSTEEN, STEPHEN L. Inotropic influence of endogenous peptides in experimental hemorrhagic pancreatitis, 220
—. (*See* Wangensteen et al.), 410
LEMPERT, NEIL, AND BLUMENSTOCK, DAVID A. The development of hypertension after canine renal preservation, 595
LEONARD, ARNOLD S. (*See* Cuderman et al.), 797
LETTON, A. H. (*See* Lamis et al.), 498
LILLEHEI, R. C. (*See* King et al.), 863
LINDSEY, EDWARD S. (*See* McDonald et al.), 189
LITT, IRIS F. (*See* Gold, Winslow, and Litt), 394
LOTFI, M. WAEL. (*See* Wilder, Lotfi, and Jurani), 546
LOVETT, WILLIAM L. (*See* Lefer et al.), 220
—. (*See* Wangensteen et al.), 410
LUKENS, JOHN N. (*See* Stephenson et al.), 515
LUKIN, L. (*See* Clunie et al.), 326

M

MCCORD, COLIN. (*See* Green, Hutchinson, and McCord), 924
MCCRACKEN, BRIAN H. (*See* McDonald et al.), 189
MCDONALD, JOHN C., RITCHEY, RON J., FUSELIER, PHILIP F., LINDSEY, EDWARD S., AND MCCRACKEN, BRIAN H. Sepsis in human renal transplantation, 189
MCELROY, J. THOMAS. (*See* Bradley et al.), 805
MCGUIGAN, JAMES E. (*See* Jaffe, McGuigan, and Newton), 232
MCKNEALLY, MARTIN F., AND GOOD, ROBERT A. The central lymphoid tissues of rabbits. I. Functional studies in newborn animals, 166
—, SUTHERLAND, DAVID E. R., AND GOOD, ROBERT A. The central lymphoid tissues of rabbits. II. Functional and morphologic studies in adult animals, 345
MCMULLAN, M. H. (*See* Neeley et al.), 309
MCMULLEN, MIMI. (*See* Furman et al.), 121
MCNAMARA, JOSEPH J. (*See* Gielchinsky and McNamara), 229
MACON, WILLIAM L., AND PORIES, WALTER J. The effect of iron deficiency anemia on wound healing, 792
MAGOVERN, GEORGE A. (*See* Calinog and Magovern), 626
MAHOUR, G. HOSSEIN, JOHNSTON, PAUL W., GWINN, JOHN L., AND HAYS, DANIEL M. Congenital esophageal stenosis distal to esophageal atresia, 936
—. (*See* Sanchez et al.), 183

MANAX, WILLIAM G. (*See* Pemberton and Manax), 139
MANNAX, STANLEY J. (*See* Howard et al.), 306
MARSDEN, R. T. H. (*See* Clunie et al.), 326
MARTIN, J. D., JR. (*See* Stone, Sanders, and Martin), 673
MARTINS, UBYRAJA. (*See* Paulino, Roselli, and Martins), 63
MASHIH, BAKHSHISH, SWAMY, SARASWATHI, AND ALTMAN, BARRY. Bilateral interstitial hernia in the newborn infant, 577
MASON, EDWARD E. (*See* Ito and Mason), 526
MASUR, RICHARD. (*See* Gardner, Ostrowitz, and Masur), 854
MATHESON, N. A. (*See* Diomi et al.), 256
MAYO, WILL J. Foreword, January, 1937, 3
MELEWICZ, FRANK. (*See* Joseph, Melewicz, and Morton), 847
MERENDINO, K. ALVIN. (*See* Mohri, Reichenbach, and Merendino), 762
MERINO, GIORGIO E., HARRIS, NICK, SIMMONS, RICHARD L., AND NAJARIAN, JOHN S. Local graft-versus-host reaction in rats as a clinical assay of immunosuppression, 904
MESTEL, ASCHER LAWRENCE, GOLINKO, RICHARD J., WAX, SANDOR H., STEIGER, BRUCE, KENIN, ABEL, FILLER, ROBERT, AND LANDAU, STANLEY. Ischiopagus tripus conjoined twins: case report of a successful separation, 75
MILLER, DON R. (*See* Kirkpatrick and Miller), 870
MILLER, ROBERT E. (*See* Holgersen, Miller, and Zintel), 288
MILLER, ROSCOE E., COCKERILL, EDWARD M., AND ISCH, JOHN H. Removal of intravascular and endobronchial foreign bodies by nonoperative snare technique, 463
MILLS, MITCHELL. (*See* Clark and Mills), 917
MITCHEL, BEN F. (*See* Lambert et al.), 393
MITRUKA, BRIJ. (*See* Touloukian, Mitruka, and Hoyle), 637
MOHRI, HITOSHI, REICHENBACH, DENNIS D., AND MERENDINO, K. ALVIN. Alterations in transplanted viable sheep aortic valves in dogs: follow-up studies to 23 months, 762
MOLINA, J. ERNESTO, RITCHIE, WALLACE P., JR., EDLICH, RICHARD F., TOMIYAMA, YOSUKE, AND WANGENSTEEN, O. H. Fatigue of the antral gastrin mechanism following electrical vagal stimulation, 680
MOLOKHIA, FAROUK A., PONN, RONALD B., ASIMACOPOULOS, PANAYIOTIS J., SISE, HERBERT S., AND NORMAN, JOHN C. Dl-ethionine-induced clotting deficiencies in the dog with survival, 741
MOORE, WESLEY S., ROSSON, CHARLES T., AND HALL, ALBERT D. Effect of prophylactic antibiotics in preventing bacteremic infection of vascular prostheses, 825
MORTON, DONALD L. (*See* Joseph, Melewicz, and Morton), 847
MURPHY, K. J. (*See* Clunie et al.), 326

N

NABSETH, DONALD C. (*See* Greenstein, DeMaio, and Nabseth), 56
NADEAU, MICHAEL R. (*See* Bronsther, Nadeau, and Abrams), 130
NAJARIAN, JOHN S. (*See* Merino et al.), 904
—. (*See* Simmons et al.), 201
NAKANE, P. K. (*See* King, Nakane, and Ashbaugh), 782
NAKAYAMA, KOMEI, YAZAWA, CHIRAKI, SAKAKIBARA, NOBURU, SUZUKI, HIROYOSHI, YANO, MASATA, AND IDE, HIROKO. A report on three cases with carcinoma developing after antethoracic reconstructive surgery of the esophagus (by skin graft), 800
NARA, YUKIO, GEHA, ALEXANDER S., AND BAUE, ARTHUR E. Blood and cerebral lactate metabolism during sustained hyperventilation in anesthetized intact dogs, 940
NEELEY, WILLIAM A., ROBINSON, W. T., HOLLOMAN, G. H., JR., AND MCMULLAN, M. H. An inexpensive bedside analogue computer for measuring respiratory work and certain other parameters, 309
NEWTON, WILLIAM T. Liver displacement (letter to editor), 952
— AND JAFFE, B. M. The fate of intravenously administered radiolabeled gastrin, 34
—. (*See* Jaffe, McGuigan, and Newton), 232
NICOLL, P. (*See* Clunie et al.), 326
NIXON, H. H., AND TAWES, R. Etiology and treatment of small intestinal atresia: analysis of a series of 127 jejunoileal atresias and comparison with 62 duodenal atresias, 41
NOLAN, STANTON P. The Eureka Needle, 788
NORMAN, JOHN C. (*See* Molokhia et al.), 741
—. (*See* Pegg and Norman), 433
NORMAN, J. N. (*See* Diomi et al.), 256

O

OCHSNER, ALTON, AND WANGENSTEEN, OWEN H. Editorial announcement, January, 1937, 5
O'CONNELL, THEODORE, AND FONKALSRUD, ERIC W. Hepatocellular response to hypovolemic shock and vasoexcitor drugs, 373
OLIVER, G. A. (*See* Watkins and Oliver), 215
O'NEILL, THOMAS J. (*See* Lefer et al.), 220
OSBORN, JOHN J., RAISON, JOHN C. A., BEAUMONT, JAMES O., HILL, J. DONALD, KERTH, WILLIAM J., POPPER, ROBERT W., AND GERBODE, FRANK. Respiratory causes of "sudden unexplained arrhythmia" in postthoracotomy patients, 24
OSTEEN, ROBERT T., AND KLEBANOFF, GERALD. Early plasma protein recovery after total volume plasmapheresis in baboons, 276
OSTROWITZ, ARTHUR. (*See* Gardner, Ostrowitz, and Masur), 854

P

PACIFICO, ALBERT D., THOMAS, GEORGE, AND KIRKLIN, JOHN W. Equilibration of radiopotassium (K^{42}) in patients undergoing open intracardiac operation, 93
PAULINO, FERNANDO, ROSELLI, ANADIL, AND MARTINS, UBYRAJARA. Pathology of diverticular disease of the colon, 63
PEGG, CHRISTOPHER A. S., AND NORMAN, JOHN C. Intraportal spleen cell autotransplantation, 433
PELTIER, LEONARD F. (*See* Baker, Kuenzig, and Peltier), 686
PEMBERTON, L. BEATY, AND MANAX, WILLIAM G. Complete obstruction of the colon by lipoma, 139
PETERSEN, E. D. (*See* King et al.), 863

XUM

PHILLIPS, STEVEN J., AND VICK, JAMES A. The pretreatment of *E. coli* endotoxin shock with WR 2823: a new alpha-adrenergic blocking agent, 510
PHILLIPS, STUART. (*See* Tilson, Phillips, and Wright), 736
POLK, HIRAM C., AND SPRATT, JOHN S., JR. Recurrent colorectal carcinoma: detection, treatment, and other considerations, 9
PONN, RONALD B. (*See* Molokhia et al.), 741
POPPER, ROBERT W. (*See* Osborn et al.), 24
PORIES, WALTER J. (*See* Macon and Pories), 792
POSTLETHWAIT, R. W. Causes of recurrence after inguinal herniorrhaphy, 772
— AND DILLON, M. L. Gastric resection for duodenal ulcer, 829
PRISCU, AL. (*See* Juvara, Priscu, and Rădulescu), 268

R

RĂDULESCU, D. (*See* Juvara, Priscu, and Rădulescu), 268
RAGINS, H. (*See* Dombro and Ragins), 504
RAISON, JOHN C. A. (*See* Osborn et al.), 24
RAMIREZ, ANTONIO, AND STALLWORTH, J. MANLY. Long-term behavior of vein grafts as replacements for arterial segments within the peritoneal cavity, 832
RAMIREZ, JAMIE, ARLEN, MYRON, AND JOURDAIN, LUIS M. Total scapulectomy for soft part tumor of the shoulder girdle, 271
RAZZUK, MARUF A. (*See* Willbanks and Ruzzuk), 84
REICH, M. P., AND EISEMAN, B. Tissue oxygenation following resuscitation with crystalloid solution following experimental acute blood loss, 928
REICH, THEOBALD, AND TAIT, JOSEPH. Chronic bronchocutaneous fistula in the dog: a method for construction, 896
REICHENBACH, DENNIS D. (*See* Mohri, Reichenbach, and Merendino), 762
RITCHEY, RON J. (*See* McDonald et al.), 189
RITCHIE, WALLACE P., JR. (*See* Molina et al.), 680
RIZK, GHASSAN. (*See* Slim, Ghassan, and Uwaydah), 755
ROBACK, STACY A. (*See* Cuderman et al.), 797
ROBINSON, W. T. (*See* Neeley et al.), 309
ROHATGI, M., SHANDLING, B., AND STEPHENS, C. A. Hiatal hernia in infants and children: results of surgical treatment, 456
ROSENBAUM, ROBERT. (*See* Furman et al.), 121
ROSENBERG, J. C. Portal hypertension complicating hepatic sarcoidosis, 294
ROSELLI, ANADIL. (*See* Paulino, Roselli, and Martins), 63
ROSSON, CHARLES T. (*See* Moore, Rosson, and Hall), 825
ROZELLE, L. T. (*See* King et al.), 863
RUTHERFORD, ROBERT B., AND VALENTA, JIRI. Extremity blood flow and distribution: the effects of arterial occlusion, 332

S

SAKAKIBARA, NOBURU. (*See* Nakayama et al.), 800
SAKAKIBARA, SHIGERU. (*See* Imamura, Tatsuno, and Sakakibara), 716
SANCHEZ, R. EDWARD, MAHOUR, G. HOSSEIN, BRENNAN, L. PATRICK, AND WOOLLEY, MORTON M. Chylous ascites in children, 183
SANDERS, RICHARD J. Liver displacement to aid exposure during biliary operations, 155
SANDERS, STEVEN L. (*See* Stone, Sanders, and Martin), 673
SANE, SHASHIKANT M., SIEBER, WILLIAM K., AND GIRDANY, BERTRAM R. Congenial bronchobiliary fistula, 599
SAWYERS, JOHN L., AND HERRINGTON, J. LYNWOOD, JR. Antiperistaltic jejunal segments for control of the dumping syndrome and postvagotomy diarrhea, 263
SCHECHTER, DAVID CHAS. Early experience with resuscitation by means of electricity, 360
SCHON, GERHART RAMIREZ, AND LABAT, RICARDO. The hepatic outflow tract in dogs, 748
SCHUMER, WILLIAM, AND ERVE, PETER R. Bovine serum albumin effect on endotoxin-challenged mitochondria, 699
SCHUPAK, E. (*See* Haimov, Singer, and Schupak), 884
SCHUTZ, LEONARD, BULL, BRIAN S., AND BRAUNWALD, NINA S. Use of tissue culture techniques to evaluate new material developed to serve as artificial heart linings, 557
SEN, P. K. (*See* Bhalerao, Trivedi, and Sen), 569
SHANDLING, B. (*See* Rohatgi, Shandling, and Stephens), 456
SHEA, MICHAEL A. (*See* Howard et al.), 306
SHEARER, J. R. (*See* Diomi et al.), 256
SHIEKH, SHAFFUDIN. (*See* Lambert et al.), 393
SHIRES, DANA L. (*See* Bradley et al.), 805
—. (*See* King et al.), 554
SHIRES, G. TOM. The effect of trauma programs in the community (editorial), 162
SHIVELY, JOHN A. (*See* Stephenson et al.), 515
SHOEMAKER, W. C. (*See* Bassin et al.), 722
SHUMWAY, NORMAN E. (*See* Enright, Hancock, and Shumway), 404
SIEBER, WILLIAM K. (*See* Sane, Sieber, and Girdany), 599
SIMMONS, RICHARD L., TALLENT, MARION B., KJELLSTRAND, CARL M., AND NAJARIAN, JOHN S. Kidney transplantation from living donors with bilateral double renal arteries, 201
—. (*See* Merino et al.), 904
SINGER, A. (*See* Haimov, Singer, and Schupak), 884
SINGH, SHIVDEV, BABOO, M. L., AND PATHAK, I. C. Cystic lymphangioma in children: report of 32 cases including lesions at rare sites, 947
SISE, HERBERT S. (*See* Molokhia et al.), 741
SLIM, MICHEL S., RIZK, GHASSAN, AND UWAYDAH, MARWAN. Mediastinal complications of staphylococcal infection in childhood: experience with six consecutive cases, 755
SOMMER, ANNEMARIE. (*See* Grosfeld, Kontras, and Sommer), 451
SOPER, ROBERT T., AND KENT, THOMAS H. Fatal juvenile polyposis in infancy, 692
SPRATT, JOHN S., JR. (*See* Polk and Spratt), 9
STAHELI, LYNN T. Muscular torticollis: late results of operative treatment, 469
STALLWORTH, J. MANLY. (*See* Ramirez and Stallworth), 832
STARK, JAROSLAV, HUCIN, BOHUMIL, ABERDEEN, EOIN, AND WATERSTON, DAVID J. Cardiac surgery in the first year of life: experience with 1,049 operations, 483
STARZL, T. E. (*See* Abouna, Aldrete, and Starzl), 419
STEICHEN, FELICIEN M. Clinical experience with autosuture instruments, 609
STEIGER, BRUCE. (*See* Mestel et al.), 75

STEPHEN, C. R. (*See* Coppel et al.), 354
STEPHENS, C. A. (*See* Rohatgi, Shandling, and Stephens), 456
STEPHENS, L. J. (*See* Garrow, Stephens, and Ewing), 881
STEPHENSON, HUGH E., JR., TERRY, CAROLYN W., LUKENS, JOHN N., SHIVELY, JOHN A., BUSBY, WILLIAM E., STOECKLE, HARRY E., AND ESTERLY, JAMES A. Immunologic factors in human melanoma "metastatic" to products of gestation (with exchange transfusion of infant to mother), 515
STOECKLE, HARRY E. (*See* Stephenson et al.), 515
STONE, H. HARLAN, SANDERS, STEVEN L., AND MARTIN, J. D., JR. Perforated appendicitis in children, 673
STRIKER, GARY E., AND TENCKHOFF, HENRY A. M. A transcutaneous prosthesis for prolonged access to the peritoneal cavity, 70
SUKABOTE, CHARU. (*See* Suwanwela, Sukabote, and Suwanwela), 617
SUMNER, DAVID S., BOSWICK, JOHN A., JR., CRIBLEZ, THOMAS L., AND DOOLITTLE, WILLIAM H. Prediction of tissue loss in human frostbite with xenon-133, 899
SUTHERLAND, DAVID E. R. (*See* McKneally, Sutherland, and Good), 345
SUWANWELA, CHARAS, SUKABOTE, CHARU, AND SUWANWELA, NITAYA. Frontoethmoidal encephalomeningocele, 617
SUWANWELA, NITAYA. (*See* Suwanwela, Sukabote, and Suwanwela), 617
SUZUKI, HIROYOSHI. (*See* Nakayama et al.), 800
SWAMY, SARASWATHI. (*See* Mashih, Swamy, and Altman), 577

T

TAIT, JOSEPH. (*See* Reich and Tait), 890
TALLENT, MARION B. (*See* Simmons et al.), 201
TANG, THOMAS T. (*See* Apfelberg, Glicklich, and Tang), 736
TATSUNO, KATSUHIKO. (*See* Imamura, Tatsuno, and Sakakibara), 716
TAWES, R. (*See* Nixon and Tawes), 41
TENCKHOFF, HENRY A. M. (*See* Striker and Tenckhoff), 70
TERRY, CAROLYN W. (*See* Stephenson et al.), 515
THOMAS, GEORGE. (*See* Pacifico, Thomas, and Kirklin), 93
TILSON, M. DAVID, PHILLIPS, STUART, AND WRIGHT, HASTINGS K. An effect of deoxycorticosterone upon the ileum simulating compensatory hypertrophy of the gut, 736
TOMIYAMA, YOSUKE. (*See* Molina et al.), 680
TOULOUKIAN, ROBERT J. Popliteal cysts in childhood, 629
—, MITRUKA, BRIJ, AND HOYLE, CLIFFORD. Growth and nutrition of enterectomized rats fed an elemental liquid diet, 637
TRIVEDI, D. R. (*See* Bhalerao, Trivedi, and Sen), 569
TSAPOGAS, MAKIS J. (*See* Blumenberg and Tsapogas), 87
TSUCHIDA, YOSHIAKI, AND ISHIDA, MASANOBU. Dilatation of the intrahepatic bile ducts in congenital cystic dilatation of the common bile duct, 776
TURINA, MARKO, BULL, BRIAN AND BRAUNWALD, NINA S. Effect of dipyridamole on the accumulation of thrombotic deposit on an intracardiac prosthetic device: an experimental study, 445
TURNER, A. FRANKLIN. (*See* Berne, Turner, and Barbour), 588
TYSON, R. ROBERT. Indications for surgical treatment of occlusive arterial disease of the legs (editorial), 480

U

UWAYDAH, MARWAN. (*See* Slim, Rizk, and Uwaydah), 755

V

VALENTA, JIRI. (*See* Rutherford and Valenta), 332
VAN GEMERT, JOHN V. (*See* Yale and Van Gemert), 382
VANG, JOHANNES O. (*See* Fredlund and Vang), 52
VICK, JAMES A. (*See* Phillips and Vick), 510
VIJAYNAGAR, RAGHAVENDRA. (*See* Furman et al.), 121
VLADECK, B. C. (*See* Bassin et al.), 722

W

WANGENSTEEN, OWEN H., AND WANGENSTEEN, SARAH D. Successful pre-Listerian antiseptic management of compound fracture: Crowther (1802), Larrey (1824), and Bennion (ca. 1840), 811
—. (*See* Ochsner and Wangensteen), 5
—. (*See* Molina et al.), 680
WANGENSTEEN, SARAH D. (*See* Wangensteen and Wangensteen), 811
WANGENSTEEN, STEPHEN L., GEISSINGER, WILLIAM T., LOVETT, WILLIAM L., GLENN, THOMAS M., AND LEFER, ALLAN M. Relationship between splanchnic blood flow and a myocardial depressant factor in endotoxin shock, 410
—. (*See* Lefer et al.), 220
WATERSTON, DAVID J. (*See* Stark et al.), 483
WATKINS, G. L., AND OLIVER, G. A. Surgical treatment of acute perforative sigmoid diverticulitis, 215
WAX, SANDOR H. (*See* Mestel et al.), 75
WEILY, H. S. (*See* King et al.), 533
WEINTRAUB, WILLIAM H. (*See* Cuderman et al.), 797
WEST, JOHN P. (*See* Holgersen, White, and West), 102
WHITE, JOHN J., JR. (*See* Holgersen, White, and West), 102
WILDER, JOSEPH R., LOTFI, M., WAEL, AND JURANI, PATERNO. Comparative study of mandatory and selective surgical intervention in stab wounds of the abdomen, 546
WILKINSON, L. H. Liver displacement (letter to editor), 810
WILLBANKS, OTTO L., AND RAZZUK, MARUF A. Improved incisional biopsy technique for lesions of the head of the pancreas: construction of pancreaticoduodenostomy at biopsy site, 84
WILLIAMS, G. DOYNE. Pulmonary artery banding: an improved technique with a new instrument, 478
WILLIAMS, WILLIS H., AND HENDREN, W. HARDY. Intrapancreatic duodenal duplication causing pancreatitis in a child, 708
WILSON, JOHN P. (*See* Lamis et al.), 498
WINSLOW, PAUL R. (*See* Gold, Winslow, and Litt), 394

XUM

WOODWARD, EDWARD R. (*See* Isaza, Woodward, and Dragstedt), 441
WOOLLEY, MORTON M. (*See* Sanchez et al.), 183
WRENN, EARLE L., JR., AND FAVARA, BLAISE E. Duodenal duplication (or pancreatic bladder) presenting as double gallbladder, 858
WRIGHT, EARLE S. Pancreaticoduodenectomy in infancy: a case report, 389
WRIGHT, HASTINGS K. (*See* Tilson, Phillips, and Wright), 736

Y

YACOUB, MAGDI H. (*See* Zajtchuk, Yacoub, and Kittle), 194
YALE, CHARLES E., AND VAN GEMERT, JOHN V. Healing of inverted and everted intestinal anastomoses in germfree rats, 382
YANO, MASATA. (*See* Nakayama et al.), 800
YAZAWA, CHIRAKI. (*See* Nakayama et al.), 800

Z

ZAJTCHUK, ROSTIK, YACOUB, MAGDI H., AND KITTLE, C. FREDERICK. Spontaneous arteriovenous fistula between the right common iliac vessels, 194
ZIKRIA, BASHIR A., BEDNARZ, BRIAN, AND FERRER, JOSÉ M. Pyloric closure for difficult gastrectomies, 29
ZINTEL, HAROLD A. (*See* Holgersen, Miller, and Zintel), 288

SUBJECT INDEX*

A

Abdomen, comparative study of mandatory and selective surgical intervention in stab wounds of (Wilder, Lotfi, and Jurani), 546

Abdominal surgery, loss of fluid and blood to peritoneal cavity during (Kragelund), 284

Abscesses, deep soft tissue, secondary to nonpenetrating trauma (Heeb), 550

Acid model, canine oleic, of fibrin localization in fat embolism (King, Nakane, and Ashbaugh), 782

oleic, model, canine, of fat embolism, consumption coagulopathy in (King et al.), 533

Acid-base balance, effect of crystalloid resuscitation in hemorrhagic shock on: comparison between normal saline and Ringer's lactate solutions (Coran et al.), 874

Adrenal injury during repair of diaphragmatic hernia in infants (Cook and Beckwith), 251

Adrenergic, alpha-, blocking agent, new: pretreatment of *E. coli* endotoxin shock with WR 2823 (Phillips and Vick), 510

neuronal blocking drugs, treatment of paralytic ileus with (Heimbach and Crout), 582

Agent, new alpha-adrenergic blocking: pretreatment of *E. coli* endotoxin shock with WR 2823 (Phillips and Vick), 510

Albumin, bovine serum, effect on endotoxin-challenged mitochondria (Schumer and Erve), 699

Alkaline phosphatase, intestinal, in relation to shock, serum levels of (Bounous and Hugon), 238

Allograft rejection, renal, accelerated, following blood transfusion (Bradley et al.), 805

Alpha-adrenergic blocking agent, new: pretreatment of *E. coli* endotoxin shock with WR 2823 (Phillips and Vick), 510

Amide, C-terminal tetrapetide, of gastrin, gastrin resistance following immunization to (Jaffe, McGuigan, and Newton), 232

Anastomosis(es), end-to-end, one-stage hepatectomy in dog with restoration of vena cava by (Alican, Cayirli, and Keith), 427

inverted and everted intestinal in germfree rats, healing of (Yale and Van Gemert), 382

lymphovenous, in management of portal hypertension (Bhalerao, Trivedi, and Sen), 569

Anemia, iron deficiency, on wound healing, effect of (Macon and Pories), 792

Angiographic evaluation of Quinton-Scribner shunt malfunction (Berne, Turner, and Barbour), 588

Anterior cervical disc operation, complications of and their treatment (Cloward), 175

Antethoracic reconstructive surgery of esophagus (by skin graft), report on three cases with carcinoma developing after (Nakayama et al.), 800

Antibiotics, prophylactic, effect in preventing bacteremic infection of vascular prostheses (Moore, Rosson, and Hall), 825

Antiperistaltic jejunal segments for control of dumping syndrome and postvagotomy diarrhea (Sawyers and Herrington), 263

Antiseptic management, successful pre-Listerian, of compound fracture: Crowther (1802), Larrey (1824), and Bennion (ca. 1840) (Wangensteen and Wangensteen), 811

Antral gastrin mechanism, fatigue following electrical vagal stimulation (Molina et al.), 680

Antrectomy, suprapyloric, selective and total vagotomy with: comparative study of gastric secretion and emptying in dogs (Kilby and Griffith), 702

Aorta-left renal vein transposition, temporary: simplified approach to management of aortic cuff in high aortic occlusions (Ernst and Fry), 314

Aortic debridement: long-term follow-up (Enright, Hancock, and Shumway), 404

intra-, ballon rupture, lethal sequelae of (Furman et al.), 121

valve preservation methods, technique for predicting the effectiveness of (King et al.), 863

transplanted viable sheep, alterations in dogs: follow-up studies to 23 months (Mohri, Reichenbach, and Merendino), 762

Aortocoronary grafts, choice of saphenous vein segments for (Green, Hutchinson, and McCord), 924

Appendicitis, perforated, in children (Stone, Sanders, and Martin), 673

Arrhythmia, sudden, unexplained, respiratory causes in postthoracotomy patients (Osborn et al.), 24

Arterial disease, occlusive, of legs, indications for surgical treatment of (editorial) (Tyson), 480

peripheral, in Ceylon (Kradjian, Bowles, and Edwards), 523

inflow and runoff, decreased, on vein graft patency, effects of (Kirkpatrick and Miller), 870

intra-, infusion of histamine-^{14}C, histamine metabolism in dog stomach as determined by (Dombro and Ragins), 504

occlusion, sympathectomy, and exercise, effects of: extremity blood flow and distribution (Rutherford and Valenta), 332

segments within peritoneal cavity, long-term behavior of vein grafts as replacements for (Ramirez and Stallworth), 832

*January, pp. 1-156; February, pp. 157-320; March, pp. 321-482; April, pp. 483-650; May, pp. 651-810; June, pp. 811-976.

XUM

Arteriovenous fistula, spontaneous, between the right common iliac vessels (Zajtchuk, Yacoub, and Kittle), 194
Artery(ies) banding, pulmonary: improved technique with new instrument (Williams), 478
bilateral double renal, kidney transplantation from living donors with (Simmons et al.), 201
constriction, renal, renal response to dexran 40 in dogs with (Diomi et al.), 256
internal carotid, recognition and treatment of fibromuscular hyperplasia of (Lamis et al.), 498
popliteal, entrapment of (Harris and Jepson), 246
occlusion due to muscular entrapment (Delaney and Gonzalez), 97
by subadventitial pseudocyst: case report and summary of world literature (Chandler and Burks), 474
Ascites, chylous, in children (Sanchez et al.), 183
Aspiration, sponge stick: new technique (Heimlich), 137
Atresia, esophageal, congenital esophageal stenosis distal to (Mahour et al.), 936
small intestinal, etiology and treatment of: analysis of series of 127 jejunoileal atresias and comparison with 62 duodenal atresias (Nixon and Tawes), 41
Atropine, effect on bile secretion in dogs (Geist and Jones), 563
Autosuture instruments, clinical experience with (Steichen), 609
Autotransplantation, intraportal spleen cell (Pegg and Norman), 433
of kidney in treatment of renovascular hypertension (Clunie et al.), 326

B

Bacteremic infection of vascular prostheses, effect of prophylactic antibiotics in preventing (Moore, Rosson, and Hall), 825
Bacterial endocarditis in chronic hemodialysis patients: complication more common than previously suspected (King et al.), 554
Balloon rupture, intra-aortic, lethal sequelae of (Furman et al.), 121
Banding, pulmonary artery: improved technique with new instrument (Williams), 478
Bennion, E. (ca. 1840), Crowther (1802), and Larrey (1824): successful pre-Listerian antiseptic management of compound fracture (Wangensteen and Wangensteen), 811
Bile duct(s), common, dilatation of intrahepatic bile ducts in congenital cystic dilatation of (Tsuchida and Ishida), 776
intrahepatic, dilatation in congenital cystic dilatation of common bile duct (Tsuchida and Ishida), 776
regurgitation and gastric ulcer (Isaza, Woodward, and Dragstedt), 441
secretion in dogs, effect of atropine on (Geist and Jones), 563
Biliary operations, liver displacement to aid exposure during (Sanders), 155
Biopsy site, construction of pancreaticoduodenostomy at: improved incisional biopsy technique for lesions of head of pancreas (Willbanks and Razzuk), 84
Biopsy—Cont'd
technique, improved incisional, for lesions of head of pancreas: construction of pancreaticoduodenostomy at biopsy site (Willbanks and Razzuk), 84
Bladder, pancreatic (or duodenal duplication) presenting as double gallbladder (Wrenn and Favara), 858
Blocking agent, alpha-adrenergic, new: pretreatment of *E. coli* endotoxin shock with WR 2823 (Phillips and Vick), 510
drugs, adrenergic neuronal, treatment of paralytic ileus with (Heimbach and Crout), 582
Blood and cerebral lactate metabolism during sustained hyperventilation in anesthetized intact dogs (Nara, Geha, and Baue), 940
flow and distribution, extremity: effects of arterial occlusion, sympathectomy, and exercise (Rutherford and Valenta), 332
splanchnic, and myocardial depressant factor in endotoxin shock, relationship between (Wangensteen et al.), 410
and fluid loss to peritoneal cavity during abdominal surgery (Kragelund), 284
loss, experimental acute, tissue oxygenation following resuscitation with crystalloid solution following (Reich and Eiseman), 928
pump, Harvard pulsatile blood, Model No. 1405, experimental evaluation of (Clark and Mills), 917
vessels for hemodialysis, access to: experience with 87 patients on chronic hemodialysis (Haimov, Singer, and Schupak), 884
Bovine serum albumin effect on endotoxin-challenged mitochondria (Schumer and Erve), 699
Bronchobiliary fistula, congenital (Sane, Sieber, and Girdany), 599
Bronchocutaneous fistula, chronic, in dog: method for construction (Reich and Tait), 890
Bypass, gastric, and pancreatic secretion (Ito and Mason), 526

C

Carcinoid tumors of rectum in children: review of literature and report of case (Gold, Winslow, and Litt), 394
Carcinoma, colorectal, recurrent: detection, treatment, and other considerations (Polk and Spratt), 9
developing after antethoracic reconstructive surgery of esophagus (by skin graft), report on three cases with (Nakayama et al.), 800
Cardiac surgery in first year of life: experience with 1,049 operations (Stark et al.), 483
Carotid artery, internal, recognition and treatment of fibromuscular hyperplasia of (Lamis et al.), 498
Cavity, peritoneal, during abdominal surgery, loss of fluid and blood to (Kragelund), 284
long-term behavior of vein grafts as replacements for arterial segments within (Ramirez and Stallworth), 832
transcutaneous prosthesis for prolonged access to (Striker and Tenckhoff), 70

Cell, intraportal spleen, autotransplantation (Pegg and Norman), 433
Central lymphoid tissues of rabbits: functional studies in newborn animals (McKneally and Good), 166
functional and morphologic studies in adult animals (McKneally, Sutherland, and Good), 345
Cerebral and blood lactate metabolism during sustained hyperventilation in anesthetized intact dogs (Nara, Geha, and Baue), 940
Cervical disc, anterior, operation, complications of and their treatment (Cloward), 175
Cervicomediastinal approach to intrathoracic goiter (Gourin, Garzon, and Karlson), 651
Ceylon, peripheral arterial disease in (Kradjian, Bowles, and Edwards), 523
Chest complicated by hypofibrinogenemia, complete avulsion of kidney into (Heeb, Dupont, and Critchlow), 932
Cholecystitis, emphysematous: report of five cases (Holgersen, White, and West), 102
Chromosomal abnormalities of the E group and surgical anomalies in neonates (Grosfeld, Kontras, and Sommer), 451
Chylous ascites in children (Sanchez et al.), 183
Circuits, extracorporeal, new and simple flowmeter for use in (Fredlund and Vang), 52
Closure, pyloric, for difficult gastrectomies (Zikria, Bednarz, and Ferrer), 29
secure median sternotomy, modified technique for (Lambert et al.), 393
Clotting factor deficiencies, Dl-ethionine-induced, in dog with survival (Molokhia et al.), 741
Coagulation, intravascular, disseminated, during acute pancreatitis, study of pancreatic enzymes as factor in pathogenesis of (Kwaan, Anderson, and Gramatica), 663
Coagulopathy, consumption, in canine oleic acid model of fat embolism (King et al.), 533
Colitis cystica profunda (Howard et al.), 306
Colon, complete obstruction by lipoma (Pemberton and Manax), 139
juvenile polyps of (Holgersen, Miller, and Zintel), 288
pathology of diverticular disease of (Paulino, Roselli, and Martins), 63
transverse, volvulus of (Cuderman et al.), 797
Colorectal carcinoma, recurrent: detection, treatment, and other considerations (Polk and Spratt), 9
Common duct stones, retained, clinical extension of laboratory studies in removal of: reappraisal of possible role of heparin in solution of gallstones (Gardner, Ostrowitz, and Masur), 854
iliac vessels, right, spontaneous arteriovenous fistula between (Zajtchuk, Yacoub, and Kittle), 194
Computer, inexpensive bedside analogue, for measuring respiratory work and certain other parameters (Neely et al.), 309
Congenital bronchobiliary fistula (Sane, Sieber, and Girdany), 599
cystic dilatation of common bile duct, dilatation of the intrahepatic bile ducts in (Tsuchida and Ishida), 776
esophageal stenosis distal to esophageal atresia (Mahour et al.), 936
Congenital—Cont'd
pyloric atresia: report of three cases and review of literature (Bronsther, Nadeau, and Abrams), 130
Conjoined twins, ischiopagus tripus: case report of successful separation (Mestel et al.), 75
Constriction, renal artery, renal response to dextran 40 in dogs with (Diomi et al.), 256
Consumption coagulopathy in canine oleic acid model of fat embolism (King et al.), 533
Crowther, J. (1802), Larrey (1824), and Bennion (ca. 1840): successful pre-Listerian antiseptic management of compound fracture (Wangensteen and Wangensteen), 811
Crystalloid resuscitation, effect in hemorrhagic shock on acid-base balance: comparison between normal saline and Ringer's lactate solutions (Coran et al.), 874
solution following experimental acute blood loss, tissue oxygenation following resuscitation with (Reich and Eiseman), 928
Culture, tissue, techniques, use to evaluate new materials developed to serve as artificial heart linings (Schutz, Bull, and Braunwald), 557
Curling, Thomas Blizard—man and ulcer (Lamb, Silva, and Walt), 646
Cystic lymphangioma in children: report of 32 cases including lesions at rare sites (Singh, Baboo, and Pathak), 947
Cysts, popliteal, in childhood (Touloukian), 629

D

Debridement, aortic: long-term follow-up (Enright, Hancock, and Shumway), 404
Decubitus ulcers, surgical management by muscle transposition (Ger), 106
Deoxycorticosterone, effect upon ileum simulating compensatory hypertrophy of gut (Tilson, Phillips, and Wright), 730
Depressant factor, myocardial, and splanchnic blood flow in endotoxin shock, relationship between (Wangensteen et al.), 410
Dextran 40 in dogs with renal artery constriction, renal response to (Diomi et al.), 256
Diaphragmatic hernia in infants, adrenal injury during repair of (Cook and Beckwith), 251
Diarrhea, postvagotomy, and dumping syndrome, antiperistaltic jejunal segments for control of (Sawyers and Herrington), 263
Dinitrochlorobenzene as method of quantitating immunosuppressive therapy for organ transplantation, delayed cutaneous hypersensitivity to (Joseph, Melewicz, and Morton), 847
Dipyridamole, effect on accumulation of thrombotic deposit on intracardiac prosthetic device: experimental study (Turina, Bull, and Braunwald), 445
Disc, anterior cervical, operation, complications of and their treatment (Cloward), 175
Disease, diverticular, of the colon, pathology of (Paulino, Roselli, and Martins), 63
occlusive arterial, of legs, indications for surgical treatment of (editorial) (Tyson), 480

Disease—Cont'd
peripheral arterial, in Ceylon (Kradjian, Bowles, and Edwards), 523
Diverticular disease of the colon, pathology of (Paulino, Roselli, and Martins), 63
Diverticulitis, perforative sigmoid, acute surgical treatment of (Watkins and Oliver), 215
Dl-ethionine-induced clotting factor deficiencies in dog with survival (Molokhia et al.), 741
Documentation, scientific (letter to editor) (Newton), 952
Donors, living, with bilateral double renal arteries, kidney transplantation from (Simmons et al.), 201
Drugs, adrenergic neuronal blocking, treatment of paralytic ileus with (Heimbach and Crout), 582
vasoexcitor, and hypovolemic shock, hepatocellular response to (O'Connell and Fonkalsrud), 373
Duct stones, common, retained, clinical extension of laboratory studies in removal of: reappraisal of possible role of heparin in solution of gallstones (Gardner, Ostrowitz, and Masur), 854
Dumping syndrome and postvagotomy diarrhea, antiperistaltic jejunal segments for control of (Sawyers and Herrington), 263
Duodenal atresias, 62, comparison with and analysis of series of 127 jejunoileal atresias: etiology and treatment of small intestinal atresia (Nixon and Tawes), 41
duplication, intrapancreatic, causing pancreatitis in a child (Williams and Hendren), 708
(or pancreatic bladder) presenting as double gallbladder (Wrenn and Favara), 858
ulcer, gastric resection for (Postlethwait and Dillon), 829
Duplication, duodenal (or pancreatic bladder), presenting as double gallbladder (Wrenn and Favara), 858
intrapancreatic duodenal, causing pancreatitis in a child (Williams and Hendren), 708

E

E. coli endotoxin shock, pretreatment with WR 2823: new alpha-adrenergic blocking agent (Phillips and Vick), 510
Electricity, early experience with resuscitation by means of (Schechter), 360
Embolism, experimental fat, pulmonary lymph in (Baker, Kuenzig, and Peltier), 686
fat, canine oleic acid model of fibrin localization in (King, Nakane, and Ashbaugh), 782
consumption coagulopathy in canine oleic acid model of (King et al.), 533
Emphysematous cholecystitis: report of five cases (Holgersen, White, and West), 102
Emptying, gastric, to gastric transection and vagotomy, relationships of (Kilby and Griffith), 633
and gastric secretion in dogs, comparative study of: selective and total vagotomy with suprapyloric antrectomy (Kilby and Griffith), 702
Encephalomeningocele, frontoethmoidal (Suwanwela, Sukabote, and Suwanwela), 617
Endobronchial and intravascular foreign bodies, removal by nonoperative snare technique (Miller, Cockerill, and Isch), 463
Endocarditis, bacterial, in chronic hemodialysis patients: complication more common than previously suspected (King et al.), 554
Endogenous peptides, inotropic influence in experimental hemorrhagic pancreatitis (Lefer et al.), 220
Endotoxin, shock, *E. coli*, pretreatment with WR 2823: new alpha-adrenergic blocking agent (Phillips and Vick), 510
Endotoxin-challenged mitochondria, bovine serum albumin effect on (Schumer and Erve), 699
Enterectomized rats fed elemental liquid diet, growth and nutrition of (Touloukian, Mitruka, and Hoyle), 637
Entrapment of the popliteal artery (Harris and Jepson), 238
Enzymes, pancreatic, as factor in pathogenesis of disseminated intravascular coagulation during acute pancreatitis, study of (Kwaan, Anderson, and Gramatica), 663
Eosinophilic gastritis: case report and etiological investigation (Cromwell and Campbell), 300
Epispadias, female, surgery of (Dey and Cohen), 542
Esophageal atresia, congenital esophageal stenosis distal to (Mahour et al.), 936
stenosis, congenital, distal to esophageal atresia (Mahour et al.), 936
Esophagus (by skin graft), report on three cases with carcinoma developing after antethoracic reconstructive surgery of (Nakayama et al.), 800
Estradiol, ^{3}H-, distribution, alterations following portacaval shunt (Fischer and Eisenfeld), 655
Etiology and treatment of small intestinal atresia: analysis of series of 127 jejunoileal atresias and comparison with 62 duodenal atresias (Nixon and Tawes), 41
Eureka Needle (Nolan), 788
Exercise, sympathectomy, and arterial occlusion, effects of: extremity blood flow and distribution (Rutherford and Valenta), 332
Experimental hemorrhagic pancreatitis, inotropic influence of endogenous peptides in (Lefer et al.), 220
Extracorporeal circuits, new and simple flowmeter for use in (Fredlund and Vang), 52

F

Factor, myocardial depressant, and splanchnic blood flow in endotoxin shock, relationship between (Wangensteen et al.), 410
Fat embolism, canine oleic acid model of fibrin localization in (King, Nakane, and Ashbaugh), 782
consumption coagulopathy in canine oleic acid model of (King et al.), 533
experimental, pulmonary lymph in (Baker, Kuenzig, and Peltier), 686
Femoropopliteal reconstruction for advanced ischemia of lower limb (Blumenberg and Tsapogas), 87

Fibrin localization in fat embolism, canine oleic acid model of (King, Nakane, and Ashbaugh), 782
Fibromatosis, plantar (Aviles, Arlen, and Miller), 117
Fibromuscular hyperplasia of internal carotid artery, recognition and treatment of (Lamis et al.), 498
Fistula, chronic bronchocutaneous, in dog: method for construction (Reich and Tait), 890
congenital bronchobiliary (Sane, Sieber, and Girdany), 599
spontaneous arteriovenous, between the right common iliac vessels (Zajtchuk, Yacoub, and Kittle), 194
Flechette wounds of heart (Gielchinsky and McNamara), 229
Flow and distribution, extremity blood: effects of arterial occlusion, sympathectomy, and exercise (Rutherford and Valenta), 332
splanchnic blood, and myocardial depressant factor in endotoxin shock, relationship between (Wangensteen et al.), 410
Flowmeter, new and simple, for use in extracorporeal circuits (Fredlund and Vang), 52
Fluid and blood loss to peritoneal cavity during abdominal surgery (Kragelund), 284
Fracture, compound, successful pre-Listerian antiseptic management of: Crowther (1802), Larrey (1824), and Bennion (ca. 1840) (Wangensteen and Wangensteen), 811
Frontoethmoidal encephalomeningocele (Suwanwela, Sukabote, and Suwanwela), 617
Frostbite, human, prediction of tissue loss with xenon-133 (Sumner et al.), 899
Full-time system (letter to editor) (Leape), 952

G

Gallbladder, double, duodenal duplication (or pancreatic bladder) presenting as (Wrenn and Favara), 858
Gallstones, reappraisal of possible role of heparin in solution of: clinical extension of laboratory studies in removal of retained common duct stones (Gardner, Ostrowitz, and Masur), 854
Gastrectomies, difficult, pyloric closure for (Zikria, Bednarz, and Ferrer), 29
Gastric bypass and pancreatic secretion (Ito and Mason), 526
emptying to gastric transection and vagotomy, relationships of (Kilby and Griffith), 633
resection for duodenal ulcer (Postlethwait and Dillon), 829
secretion and emptying in dogs, comparative study of: selective and total vagotomy with suprapyloric and antrectomy (Kilby and Griffith), 702
transection and vagotomy to gastric emptying, relationships of (Kilby and Griffith), 633
ulcer and bile regurgitation (Isaza, Woodward, and Dragstedt), 441
Gastrin C-terminal tetrapeptide amide, gastrin resistance following immunization to (Jaffe, McGuigan, and Newton), 232
mechanism, antral, following electrical vagal stimulation, fatigue of (Molina et al.), 680
Gastrin—Cont'd
radiolabeled, intravenously administered, fate of (Newton and Jaffe), 34
resistance following immunization to C-terminal tetrapeptide amide of gastrin (Jaffe, McGuigan, and Newton), 232
Gastritis, eosinophilic: case report and etiological investigation (Cromwell and Campbell), 300
Gastroduodenal intussusception in a child (Apfelberg, Glicklich, and Tang), 736
Germfree rats, healing of inverted and everted intestinal anastomoses in (Yale and Van Gemert), 382
Gestation, immunologic factors in human melanoma "metastatic" to products of (with exchange transfusion of infant to mother) (Stephenson et al.), 515
Goiter, intrathoracic, cervicomediastinal approach to (Garzon, Gourin, and Karlson), 651
Grafts (letter to editor) (Beebe), 482
aortocoronary, choice of saphenous vein segments for (Green, Hutchinson, and McCord), 924
skin, a report on three cases with carcinoma developing after antethoracic reconstructive surgery of esophagus by (Nakayama et al.), 800
vein, patency, effects of decreased arterial inflow and runoff on (Kirkpatrick and Miller), 870
as replacements for arterial segments within the peritoneal cavity, long-term behavior of (Ramirez and Stallworth), 832
Graft-versus-host reaction, local, in rats as clinical assay of immunosuppression (Merino et al.), 904
Growth and nutrition of enterectomized rats fed elemental liquid diet (Touloukian, Mitruka, and Hoyle), 637
Guard, adjustable, semirigid retention suture (Engelsher), 317
Gut, compensatory hypertrophy of, effect of deoxycorticosterone upon the ileum simulating (Tilson, Phillips, and Wright), 730

H

Harvard pulsatile blood pump, Model No. 1405, experimental evaluation of (Clark and Mills), 917
Heart, flechette wounds of (Gielchinsky and McNamara), 229
linings, artificial, use of tissue culture techniques to evaluate new materials developed to serve as (Schutz, Bull, and Braunwald), 557
Hemodialysis, access to blood vessels for: experience with 87 patients on chronic hemodialysis (Haimov, Singer, and Schupak), 884
chronic, experience with 87 patients on: access to blood vessels for hemodialysis (Haimov, Singer, and Schupak), 884
patients, chronic, bacterial endocarditis in: complication more common than previously suspected (King et al.), 554
Hemodynamic responses of two experimental shock models with clinical hemorrhage, comparison of (Bassin et al.), 722
Hemorrhage, acute, associated with pancreatic pseudocysts (Greenstein, DeMaio, and Nabseth), 56

XUM

Hemorrhage—Cont'd
clinical, comparison of hemodynamic responses of two experimental shock models with (Bassin et al.), 722
Hemorrhagic pancreatitis, experimental, inotropic influence of endogenous peptides in (Lefer et al.), 220
shock on acid-base balance, effect of crystalloid resuscitation in: comparison between normal saline and Ringer's lactate solutions (Coran et al.), 874
Heparin in solution of gallstones, reappraisal of possible role of: clinical extension of laboratory studies in removal of retained common duct stones (Gardner, Ostrowitz, and Masur), 854
Hepatectomy, one-stage, in dog with restoration of the vena cava by end-to-end anastomosis (Alican, Cayirli, and Keith), 427
Hepatic outflow tract in dogs (Schon and Labat), 748
sarcoidosis, portal hypertension complicating (Rosenberg), 294
Hepatocellular response to hypovolemic shock and vasoexcitor drugs (O'Connell and Fonkalsrud), 373
Hernia, bilateral interstitial, in newborn infant (Mashih, Swamy, and Altman), 577
diaphragmatic, in infants, adrenal injury during repair of (Cook and Beckwith), 251
hiatal, in infants and children: results of surgical treatment (Rohatgi, Shandling, and Stephens), 456
repairs, current: similarities, mechanisms, and extended indications—autopsy study (Butterfield), 910
large incisional, cause and repair of (Boerema), 111
Herniorrhaphy, inguinal, causes of recurrence after (Postlethwait), 772
^{3}H-estradiol distribution, alterations following portacaval shunt (Fischer and Eisenfeld), 655
Hiatal hernia in infants and children: results of surgical treatment (Rohatgi, Shandling, and Stephens), 456
repairs, current: similarities, mechanisms, and extended indications—autopsy study (Butterfield), 910
Histamine metabolism in dog stomach as determined by intra-arterial infusion of histamine-^{14}C (Dombro and Ragins), 504
Histamine-^{14}C, histamine metabolism in dog stomach as determined by intra-arterial infusion of (Dombro and Ragins), 504
Host, graft-versus-, reaction, local, in rats as clinical assay of immunosuppression (Merino et al.), 904
Hypertension, development after canine renal preservation (Lempert and Blumenstock), 595
portal, complicating hepatic sarcoidosis (Rosenberg), 294
lymphovenous anastomosis in management of (Bhalerao, Trivedi, and Sen), 569
renovascular, autotransplantion of kidney during treatment of (Clunie et al.), 326
Hypertrophy of gut, compensatory, effect of deoxycorticosterone upon the ileum simulating (Tilson, Phillips, and Wright), 730
Hyperventilation, sustained, in anesthetized intact dogs, blood and cerebral lactate metabolism during (Nara, Geha, and Baue), 940
Hypofibrinogenemia, complete avulsion of kidney into chest complicated by (Heeb, Dupont, and Critchlow), 932
Hypovolemic shock and vasoexcitor drugs, hepatocellular response to (O'Connell and Fonkalsrud), 373

I

Iliac vessels, right common, spontaneous arteriovenous fistula between (Zajtchuk, Yacoub, and Kittle), 194
Ileum simulating compensatory hypertrophy of gut, effect of deoxycorticosterone upon (Tilson, Phillips, and Wright), 730
Ileus, paralytic, treatment with adrenergic neuronal blocking drugs (Heimbach and Crout), 582
Immunization to C-terminal tetrapeptide amide of gastrin, gastrin resistance following (Jaffe, McGuigan, and Newton), 232
Immunologic factors in human melanoma "metastatic" to products of gestation (with exchange transfusion of infant to mother) (Stephenson et al.), 515
Immunosuppression, local graft-versus-host reaction in rats as clinical assay of (Merino et al.), 904
Immunosuppressive therapy for organ transplantation, delayed cutaneous hypersensitivity to dinitrochlorobenzene as method of quantitating (Joseph, Melewicz, and Morton), 847
Infection, bacteremic, of vascular prostheses, effect of prophylactic antibiotics in preventing (Moore, Rosson, and Hall), 825
Inguinal herniorrhapy, causes of recurrence after (Postlethwait), 772
Injury, adrenal, during repair of diaphragmatic hernia in infants (Cook and Beckwith), 251
Inotropic influence of endogenous peptides in experimental hemorrhagic pancreatitis (Lefer et al.), 220
Instruments, autosuture, clinical experience with (Steichen), 609
Intercholedochoduodenal vesicular tubular plasty (Juvara, Priscu, and Rădulescu), 268
International Federation of Surgical Colleges (report of meeting) (Johnson-Gilbert), 650
trauma symposium: the challenge (editorial) (Dunphy), 159
Intestinal alkaline phosphatase in relation to shock, serum levels of (Bounous and Hugon), 238
anastomoses, inverted and everted in germfree rats, healing of (Yale and Van Gemert), 382
small, atresia, etiology and treatment: analysis of series of 127 jejunoileal atresias and comparison with 62 duodenal atresias (Nixon and Tawes), 41
Intra-aortic balloon rupture, lethal sequelae of (Furman et al.), 121
Intracardiac operation, open, equilibration of radiopotassium (K^{42}) in patients undergoing (Pacifico, Thomas, and Kirklin), 93
prosthetic device, effect of dipyridamole on accumulation of thrombotic deposit on: experimental study (Turina, Bull, and Braunwald), 445

Intrahepatic bile ducts, dilatation in congenital cystic dilatiation of common bile duct (Tsuchida and Ishida), 776
Intrapancreatic duodenal duplication causing pancreatitis in a child (Williams and Hendren), 708
Intraportal spleen cell autotransplantation (Pegg and Norman), 433
Intrathoracic goiter, cervicomediastinal approach to (Gourin, Garzon, and Karlson), 651
Intravascular coagulation, disseminated, during acute pancreatitis, study of pancreatic enzymes as factor in pathogenesis of (Kwann, Anderson, and Gramatica), 663
and endobronchial foreign bodies, removal by nonoperative snare technique (Miller, Cockerill, and Isch), 463
Iron deficiency anemia on wound healing, effect of (Macon and Pories), 792
Ischemia, advanced, of lower limb, femoropopliteal reconstruction for (Blumenberg and Tsapogas), 87
Ischiopagus tripus conjoined twins: case report of successful separation (Mestel et al.), 75
Intussusception, gastroduodenal, in a child (Apfelberg, Glicklich, and Tang), 736

J

Jejunal segments, antiperistaltic, for control of dumping syndrome and postvagotomy diarrhea (Sawyers and Herrington), 263
Jejunoileal atresias, 127, analysis of series of and comparison with 62 duodenal atresias: etiology and treatment of small intestinal atresia (Nixon and Tawes), 41
Juvenile polyps of colon (Holgersen, Miller, and Zintel), 288

K

Kidney, autotransplantation of, during treatment of renovascular hypertension (Clunie et al.), 326
complete avulsion into chest complicated by hypofibrinogenemia (Heeb, Dupont, and Critchlow), 932
transplantation from living donors with bilateral double renal arteries (Simmons et al.), 201

L

Lactate, blood and cerebral, metabolism during sustained hyperventilation in anesthetized intact dogs (Nara, Geha, and Baue), 940
Ringer's, and normal saline solutions, comparison between: effect of crystalloid resuscitation in hemorrhagic shock on acid-base balance (Coran et al.), 874
Larrey, D. J. (1824), Crowther (1802), and Bennion (ca. 1840): successful pre-Listerian antiseptic management of compound fracture (Wangensteen and Wangensteen), 811
Lesions of head of pancreas, improved incisional biopsy technique for: construction of pancreaticoduodenostomy at biopsy site (Willbanks and Razzuk), 84
Lesions—Cont'd
inflammatory, of liver which simulate tumor: report of two cases in children (Hertzer, Hawk, and Hermann), 839
at rare sites, report of 32 cases including: cystic lymphangioma in children (Singh, Baboo, and Pathak), 997
Letters to the editor, 482, 810, 952, 953
Limb, lower, femoropopliteal reconstruction for advanced ischemia of (Blumenberg and Tsapogas), 87
Lipoma, complete obstruction of colon by (Pemberton and Manax), 139
Listerian, pre-, antiseptic management, successful, of compound fracture: Crowther (1802), Larrey (1824), and Bennion (ca. 1840) (Wangensteen and Wangensteen), 811
Liver displacement (letter to editor) (Wilkinson), 810
to aid exposure during biliary operations (Sanders), 155
inflammatory lesions of, which simulate tumor: report of two cases in children (Hertzer, Hawk, and Hermann), 839
transplantation, changes in serum potassium and pH during clinical and experimental (Abouna, Aldrete, and Starzl), 419
Lymph, pulmonary, in experimental fat embolism (Baker, Kuenzig, and Peltier), 686
Lymphangioma, cystic, in children: report of 32 cases including lesions at rare sites (Singh, Baboo, and Pathak), 947
Lymphoid tissues, central, of rabbits: functional studies in newborn animals (McKneally and Good), 166
functional and morphologic studies in adult animals (McKneally, Sutherland, and Good), 345
Lymphovenous anastomosis in management of portal hypertension (Bhalerao, Trivedi, and Sen), 569

M

Management, successful pre-Listerian antiseptic, of compound fracture: Crowther (1802), Larrey (1824), and Bennion (ca. 1840) (Wangensteen and Wangensteen), 811
Masks, surgical, evaluation of: potential of resin-treated wool (Garrow, Stephens, and Ewing), 881
Mediastinal complications of staphylococcal infection in childhood: experience with six consecutive cases (Slim, Rizk, and Uwaydah), 755
Meeting, report of: International Federation of Surgical Colleges (Johnson-Gilbert), 650, Workshop on Organ Preservation, 321
Melanoma, human, "metastatic" to products of gestation, immunologic factors in (with exchange transfusion of infant to mother) (Stephenson et al.), 515
Metabolism, blood and cerebral lactate, during sustained hyperventilation in anesthetized intact dogs (Nara, Geha, and Baue), 940
histamine, in dog stomach as determined by intra-arterial infusion of histamine-^{14}C (Dombro and Ragins), 504
Microvascular repair and replacement, long-term results of (Khodadad), 397

Mitochondria, endotoxin-challenged, bovine serum albumin effect on (Schumer and Erve), 699
Muscular entrapment, occlusion of popliteal artery due to (Delaney and Gonzalez), 97
torticollis: late results of operative treatment (Staheli), 469
transposition, surgical management of decubitus ulcers by (Ger), 106
Myocardial depressant factor and splanchnic blood flow in endotoxin shock, relationship between (Wangensteen et al.), 410
Myocardium, chronically damaged, simple technique of surgical evaluation of (Calinog and Magovern), 626

N

Nasotracheal tube, prophylactic use in infants under three months of age (Coppel et al.), 354
Needle, Eureka (Nolan), 788
Neonates, chromosomal abnormalities of the E group and surgical anomalies in (Grosfeld, Kontras, and Sommer), 451
Neuronal blocking drugs, adrenergic, treatment of paralytic ileus with (Heimbach and Crout), 582
Nonoperative snare technique, removal of intravascular and endobronchial foreign bodies by (Miller, Cockerill, and Isch), 463
Nutrition and growth of enterectomized rats fed elemental liquid diet (Touloukian, Mitruka, and Hoyle), 637

O

Occlusion, arterial, sympathectomy, and exercise, effects of: extremity blood flow and distribution (Rutherford and Valenta), 332
of popliteal artery due to muscular entrapment (Delaney and Gonzalez), 97
by subadventitial pseudocyst: case report and summary of world literature (Chandler and Burks), 474
Occlusive arterial disease of legs, indications for surgical treatment of (editorial) (Tyson), 480
Oleic acid model, canine, of fat embolism, consumption coagulopathy in (King et al.), 533
of fibrin localization in fat embolism (King, Nakane, and Ashbaugh), 782
Omphalocele—an appraisal of therapeutic approaches (Firor), 208
Open intracardiac operation, equilibration of radiopotassium (K^{42}) in patients undergoing (Pacifico, Thomas, and Kirklin), 93
Operation, anterior cervical disc, complications of and their treatment (Cloward), 175
biliary, liver displacement to aid exposure during (Sanders), 155
open intracardiac, equilibration of radiopotassium (K^{42}) in patients undergoing (Pacifico, Thomas, and Kirklin), 93
Operative treatment, late results of: muscular torticollis (Staheli), 469
Organ Preservation, Workshop on: report of meeting, 321
transplantation, delayed cutaneous hypersensitivity to dinitrochlorobenzene as a method of quantitating immunosuppressive therapy for (Joseph, Melewicz, and Morton), 847
Outflow, right ventricular, heterologous pulmonary valve and prosthetic tube as a substitute for (Imamura, Tatsuno, and Sakakibara), 716
tract, hepatic, in dogs (Schon and Labat), 748
Oxygenation, tissue, following resuscitation with crystalloid solution following experimental acute blood loss (Reich and Eiseman), 928

P

Pancreas, improved incisional biopsy technique for lesions of head of: construction of pancreaticoduodenostomy at biopsy site (Willbanks and Razzuk), 84
Pancreatic bladder (or duodenal duplication) presenting as double gallbladder (Wrenn and Favara), 858
enzymes as factor in pathogenesis of disseminated intravascular coagulation during acute pancreatitis, study of (Kwaan, Anderson, and Gramatica), 663
pseudocysts, acute hemorrhage associated with (Greenstein, DeMaio, and Nabseth), 56
secretion and gastric bypass (Ito and Mason), 526
Pancreaticoduodenectomy in infancy: case report (Wright), 389
Pancreaticoduodenostomy, construction at biopsy site: improved incisional biopsy technique for lesions of head of pancreas (Willbanks and Razzuk), 84
Pancreatitis, acute, study of pancreatic enzymes as factor in pathogenesis of disseminated intravascular coagulation during (Kwaan, Anderson, and Gramatica), 663
in a child, intrapancreatic duodenal duplication causing (Williams and Hendren), 708
experimental hemorrhagic, inotropic influence of endogenous peptides in (Lefer et al.), 220
Patency, vein graft, effects of decreased arterial inflow and runoff on (Kirkpatrick and Miller), 870
Pathology of diverticular disease of the colon (Paulino, Roselli, and Martins), 63
Patients, chronic hemodialysis, bacterial endocarditis in: complication more common than previously suspected (King et al.), 554
Peritoneal cavity, during abdominal surgery, loss of fluid and blood to (Kragelund), 284
long-term behavior of vein grafts as replacements for arterial segments within (Ramirez and Stallworth), 832
transcutaneous prosthesis for prolonged access to (Striker and Tenckhoff), 70
pH and serum potassium, changes in, during clinical and experimental liver transplantation (Abouna, Aldrete, and Starzl), 419
Plantar fibromatosis (Aviles, Arlen, and Miller), 117
Plasma protein recovery, early, after total volume plasmapheresis in baboons (Osteen and Klebanoff), 276

Plasmapheresis, total volume in baboons, early plasma protein recovery after (Osteen and Klebanoff), 276
Plasty, intercholedochoduodenal vesicular tubular (Juvara, Priscu, and Rădulescu), 268
Polyposis, juvenile, fatal, in infancy (Soper and Kent), 692
Polyps, juvenile, of colon (Holgersen, Miller, and Zintel), 288
Popliteal artery, entrapment of (Harris and Jepson), 246
occlusion due to muscular entrapment (Delaney and Gonzalez), 97
by subadventitial pseudocyst: case report and summary of world literature (Chandler and Burks), 474
cysts in childhood (Touloukian), 629
Portacaval shunt, alterations in ^{3}H-estradiol distribution following (Fischer and Eisenfeld), 655
Portal hypertension complicating hepatic sarcoidosis (Rosenberg), 294
lymphovenous anastomosis in management of (Bhalerao, Trivedi, and Sen), 569
Postthoracotomy patients, respiratory causes of "sudden, unexplained arrhythmia" in (Osborn et al.), 24
Postvagotomy diarrhea and dumping syndrome, antiperistaltic jejunal segments for control of (Sawyers and Herrington), 263
Preservation, aortic valve, methods, technique for predicting effectiveness of (King et al.), 863
canine renal, development of hypertension after (Lempert and Blumenstock), 595
Organ, Workshop on: report of meeting, 321
Prophylactic use of nasotracheal tube in infants under three months of age (Coppel et al.), 354
Prosthesis, transcutaneous, for prolonged access to the peritoneal cavity (Striker and Tenckhoff), 70
vascular, effect of prophylactic antibiotics in preventing bacteremic infection of (Moore, Rosson, and Hall), 825
Prosthetic device, intracardiac, effect of dipyridamole on accumulation of thrombotic deposit on: experimental study (Turina, Bull, and Braunwald), 445
tube, and heterologous pulmonary valve as substitute for right ventricular outflow (Imamura, Tatsuno, and Sakakibara), 716
Protein recovery, early plasma, after total volume plasmapheresis in baboons (Osteen and Klebanoff), 276
Pseudocysts, pancreatic, acute hemorrhage associated with (Greenstein, DeMaio, and Nabseth), 56
subadventitial, popliteal artery occlusion by: case report and summary of world literature (Chandler and Burks), 474
Pulmonary artery banding: improved technique with new instrument (Williams), 478
lymph in experimental fat embolism (Baker, Kuenzig, and Peltier), 686
valve, heterologous, and prosthetic tube as substitute for right ventricular outflow (Imamura, Tatsuno, and Sakakibara), 716
Pyloric atresia, congenital: report of three cases and review of literature (Bronsther, Nadeau, and Abrams), 130
Pyloric—Cont'd
closure for difficult gastrectomies (Zikria, Bednarz, and Ferrer), 29

Q

Quinton-Scribner shunt, malfunction, angiographic evaluation of (Berne, Turner, and Barbour), 588

R

Radiolabeled gastrin, intravenously administered, fate of (Newton and Jaffe), 34
Radiopotassium (K^{42}) in patients undergoing open intracardiac operations, equilibration of (Pacifico, Thomas, and Kirklin), 93
Reaction, graft-versus-host, local, in rats as clinical assay of immunosuppression (Merino et al.), 904
Reconstruction, femoropopliteal, for advanced ischemia of lower limb (Blumenberg and Tsapogas), 87
Recovery, early plasma protein, after total volume plasmapheresis in baboons (Osteen and Klebanoff), 276
Rectum, carcinoid tumors of, in children: review of literature and report of case (Gold, Winslow, and Litt), 394
Renal allograft rejection, accelerated, following blood transfusion (Bradley et al.), 805
arteries, bilateral double, kidney transplantation from living donors with (Simmons et al.), 201
artery constriction, renal response to dextran 40 in dogs with (Diomi et al.), 256
preservation, canine, development of hypertension after (Lempert and Blumenstock), 595
response to dextran 40 in dogs with renal artery constriction (Diomi et al.), 256
transplantation, human, sepsis in (McDonald et al.), 189
vein, left-aorta transposition, temporary: simplified approach in management of aortic cuff in high aortic occlusions (Ernst and Fry), 314
Renovascular hypertension, autotransplantation of kidney during treatment of (Clunie et al.), 326
Repair and replacement, microvascular: long-term results of (Khodadad), 397
Replacement and repair, microvascular: long-term results of (Khodadad), 397
Report of meeting: Workshop on Organ Preservation, 321, International Federation of Surgical Colleges, 650
Resection, gastric, for duodenal ulcer (Postlethwait and Dillon), 829
Resin-treated wool, potential of: evaluation of surgical masks (Garrow, Stephens, and Ewing), 881
Respiratory causes of "sudden unexplained arrhythmia" in postthoracotomy patients (Osborn et al.), 24
work and certain other parameters, inexpensive bedside analogue computer for measuring (Neely et al.), 309
Resuscitation, crystalloid, effect in hemorrhagic shock on acid-base balance: comparison between normal saline and Ringer's lactate solutions (Coran et al.), 874
with crystalloid solution following experimental acute blood loss, tissue oxygenation following (Reich and Eiseman), 928

by means of electricity, early experience with (Schechter), 360
Ringer's lactate and normal saline solutions, comparison between: effect of crystalloid resuscitation in hemorrhagic shock on acid-base balance (Coran et al.), 874
Rupture, intra-aortic balloon, lethal sequelae of (Furman et al.), 121

S

Saline, normal, and Ringer's lactate solutions, comparison between: effect of crystalloid resuscitation in hemorrhagic shock on acid-base balance (Coran et al.), 874
Saphenous vein segments for aortocoronary grafts, choice of (Green, Hutchinson, and McCord), 924
Sarcoidosis, hepatic, portal hypertension complicating (Rosenberg), 294
Scapulectomy, total, for soft part tumor of shoulder girdle (Ramirez, Arlen, and Jourdain), 271
Secretion, bile, in dogs, effect of atropine on (Geist and Jones), 563
gastric, and emptying in dogs, comparative study of: selective and total vagotomy with suprapyloric antrectomy (Kilby and Griffith), 702
pancreatic, and gastric bypass (Ito and Mason), 526
Sepsis in human renal transplantation (McDonald et al.), 189
Serum albumin, bovine, effect on endotoxin-challenged mitochondria (Schumer and Erve), 699
levels of intestinal alkaline phosphatase in relation to shock (Bounous and Hugon), 238
potassium and pH, changes in, during clinical and experimental liver transplantation (Abouna, Aldrete, and Starzl), 419
Shock, *E. coli* endotoxin, pretreatment with WR 2823: new alpha-adrenergic blocking agent (Phillips and Vick), 510
hemorrhagic on acid-base balance, effect of crystalloid resuscitation in: comparison between normal saline and Ringer's lactate solutions (Coran et al.), 874
hypovolemic, and vasoexcitor drugs, hepatocellular response to (O'Connell and Fonkalsrud), 373
models, two experimental, with clinical hemorrhage, comparison of hemodynamic responses (Bassin et al.), 722
Shoulder girdle, total scapulectomy for soft part tumor of (Ramirez, Arlen, and Jourdain), 271
Shunt, portacaval, alterations in ^{3}H-estradiol distribution following (Fischer and Eisenfeld), 655
Quinton-Scribner, malfunction, angiographic evaluation of (Berne, Turner, and Barbour), 588
Sigmoid diverticulitis, acute perforative, surgical treatment of (Watkins and Oliver), 215
Skin graft, report on three cases with carcinoma developing after antethoracic reconstructive surgery of the esophagus by (Nakayama et al.), 800
Splanchnic blood flow and myocardial depressant factor in endotoxin shock, relationship between (Wangensteen et al.), 410
Spleen cell, intraportal, autotransplantation (Pegg and Norman), 433
Sponge stick aspiration: new technique (Heimlich), 137
Stab wounds of abdomen, comparative study of mandatory and selective surgical intervention in (Wilder, Lotfi, and Jurani), 546
Staphylococcal infection in childhood, mediastinal complications of: experience with six consecutive cases (Slim, Rizk, and Uwaydah), 762
Stenosis, congenital esophageal, distal to esophageal atresia (Mahour et al.), 936
Sternotomy closure, secure median, modified technique for (Lambert et al.), 393
Stones, retained common duct, clinical extension of laboratory studies in removal of: reappraisal of possible role of heparin in solution of gallstones (Gardner, Ostrowitz, and Masur), 854
Subadventitial pseudocyst, popliteal artery occlusion by: case report and summary of world literature (Chandler and Burks), 474
Surgery, abdominal, loss of fluid and blood to peritoneal cavity during (Kragelund), 284
antethoracic reconstructive, of esophagus (by skin graft), report on three cases with carcinoma developing after (Nakayama et al.), 800
cardiac, in first year of life: experience with 1,049 operations (Stark et al.), 483
of female epispadias (Dey and Cohen), 542
Surgical anomalies in neonates and chromosomal abnormalities of the E group (Grosfeld, Kontras, and Sommer), 451
evaluation of chronically damaged myocardium, simple technique of (Calinog and Magovern), 626
intervention, mandatory and selective, in stab wounds of abdomen, comparative study of (Wilder, Lotfi, and Jurani), 546
management of decubitus ulcers by muscle transposition (Ger), 106
masks, evaluation of: potential of resin-treated wool (Garrow, Stephens, and Ewing), 881
treatment of acute perforative sigmoid diverticulitis (Watkins and Oliver), 215
of occlusive arterial disease of legs, indications for (editorial) (Tyson), 480
results of: hiatal hernia in infants and children (Rohatgi, Shandling, and Stephens), 456
Suture guard, adjustable, semirigid retention (Engelsher), 317
Sympathectomy, exercise, and arterial occlusion, effects of: extremity blood flow and distribution (Rutherford and Valenta), 332
Symposium, international trauma: The challenge (Dunphy), 159
Syndrome, dumping, and postvagotomy diarrhea, antiperistaltic jejunal segments for control of (Sawyers and Herrington), 263
System, full-time (letter to editor) (Leape), 952

T

Technique(s), improved incisional biopsy, for lesions of head of pancreas: construction of pancreaticoduodenostomy at biopsy site (Willbanks and Razzuk), 84
with new instrument: pulmonary artery banding (Williams), 478
modified, for secure median sternotomy closure (Lambert et al.), 393
new: sponge stick aspiration (Heimlich), 137
nonoperative snare, removal of intravascular and endobronchial foreign bodies by (Miller, Cockerill, and Isch), 463
for predicting the effectiveness of aortic valve preservation methods (King et al.), 863
simple, of surgical evaluation of chronically damaged myocardium (Calinog and Magovern), 626
tissue culture, use to evaluate new material developed to serve as artificial heart linings (Schutz, Bull, and Braunwald), 557
Tetrapeptide amide, C-terminal, of gastrin, gastrin resistance following immunization to (Jaffe, McGuigan, and Newton), 232
Therapy, immunosuppressive, for organ transplantation, delayed cutaneous hypersensitivity to dinitrochlorobenzene as method of quantitating (Joseph, Melewicz, and Morton), 847
Thrombotic deposit on intracardiac prosthetic device, effect of dipyridamole on accumulation of: experimental study (Turina, Bull, and Braunwald), 445
Tissue(s) abscesses, deep soft, secondary to nonpenetrating trauma (Heeb), 550
central lymphoid, of rabbits: functional and morphologic studies in adult animals (McKneally, Sutherland, and Good), 345
culture techniques, use to evaluate new material developed to serve as artificial heart linings (Schutz, Bull, and Braunwald), 557
loss in human frostbite, prediction with (Sumner et al.), 899
oxygenation following resuscitation with crystalloid solution following experimental acute blood loss (Reich and Eiseman), 928
Torticollis, muscular: late results of operative treatment (Staheli), 469
Transection, gastric, and vagotomy to gastric emptying, relationships of (Kilby and Griffith), 633
Transfusion, blood, accelerated renal allograft rejection following (Bradley et al.), 805
exchange of infant to mother (immunologic factors in human melanoma "metastatic" to products of gestation) (Stephenson et al.), 515
Transplantation, human renal, sepsis in (McDonald et al.), 189
kidney, from living donors with bilateral double renal arteries (Simmons et al.), 201
liver, clinical and experimental, changes in serum potassium and pH during (Abouna, Aldrete, and Starzl), 419
Transverse colon, volvulus of (Cuderman et al.), 797
Trauma, nonpenetrating, deep soft tissue abscesses secondary to (Heeb), 550
our permissive killer (editorial) (Ballinger and Drapanas), 157
programs in the community, effect of (editorial) (Shires), 162
where is the support? (editorial) (Lee), 164
symposium, international: the challenge (editorial) (Dunphy), 159
Treatment, detection, and other considerations: recurrent colorectal carcinoma (Polk and Spratt), 9
and etiology of small intestinal atresia: analysis of series of 127 jejunoileal atresias and comparison with 62 duodenal atresias (Nixon and Tawes), 41
of paralytic ileus with adrenergic neuronal blocking drugs (Heimbach and Crout), 582
surgical, of acute perforative sigmoid diverticulitis (Watkins and Oliver), 215
T tube, improved (Jones and Holman), 380
Tube, nasotracheal, prophylactic use in infants under three months of age (Coppel et al.), 354
prosthetic, and heterologous pulmonary valve as a substitute for right venticular outflow (Imamura, Tatsuno, and Sakakibara), 716
T, improved (Jones and Holman), 380
Tubular plasty, intercholedochoduodenal vesicular (Juvara, Priscu, and Rădulescu), 268
Tumor(s), carcinoid, of rectum in children: review of literature and report of case (Gold, Winslow, and Litt), 394
inflammatory lesions of liver which simulate: report of two cases in children (Hertzer, Hawk, and Hermann), 839
soft part, of shoulder girdle, total scapulectomy for (Ramirez, Arlen, and Jourdain), 271

U

Ulcer, duodenal, gastric resection for (Postlethwait and Dillon), 829
gastric, and bile regurgitation (Isaza, Woodward, and Dragstedt), 441
Urinary diversion (Lapides), 142

V

Vagal stimulation, electrical, fatigue of antral gastrin mechanism following (Molina et al.), 680
Vagotomy and gastric transection to gastric emptying, relationships of (Kilby and Griffith), 633
selective and total, with suprapyloric antrectomy: comparative study of gastric secretion and emptying in dogs (Kilby and Griffith), 702
Valve, aortic, preservation methods, technique for predicting effectiveness of (King et al.), 863
transplanted viable sheep, alterations in dogs: follow-up studies to 23 months (Mohri, Reichenbach, and Merendino), 762
pulmonary, heterologous, and prosthetic tube as substitute for right ventricular outflow (Imamura, Tatsuno, and Sakakibara), 716

Vascular prostheses, effect of prophylactic antibiotics in preventing bacteremic infection of (Moore, Rosson, and Hall), 825
Vasoexcitor drugs and hypovolemic shock, hepatocellular response to (O'Connell and Fonkalsrud), 373
Vein graft patency, effects of decreased arterial inflow and runoff on (Kirkpatrick and Miller), 870
as replacements for arterial segments within the peritoneal cavity, long-term behavior of (Ramirez and Stallworth), 832
left renal-aorta transposition, temporary: simplified approach to management of aortic cuff in high aortic occlusions (Ernst and Fry), 314
segments, saphenous, for aortocoronary grafts, choice of (Green, Hutchinson, and McCord), 924
Vena cava, restoration by end-to-end anastomosis, one-stage hepatectomy in dog with (Alican, Cayirli, and Keith), 419
Ventricular outflow, right, heterologous pulmonary valve and prosthetic tube as substitute for (Imamura, Tatsuno, and Sakakibara), 716
Vesicular tubular plasty, intercholedochoduodenal (Juvara, Priscu, and Rădulescu), 268
Vessels, blood, for hemodialysis, access to: experience with 97 patients on chronic hemodialysis (Haimov, Singer, and Schupak), 884
right common iliac, spontaneous arteriovenous fistula between (Zajtchuk, Yacoub, and Kittle), 194
Volvulus of transverse colon (Cuderman et al.), 797

W

Wool, resin-treated, potential of: evaluation of surgical masks (Garrow, Stephens, and Ewing), 881
Workshop on Organ Preservation: report of meeting, 321
Wounds, flechette, of heart (Gielchinsky and McNamara), 229
healing, effect of iron deficiency anemia on (Macon and Pories), 792
stab, of abdomen, comparative study of mandatory and selective surgical intervention (Wilder, Lotfi, and Jurani), 546

X

Xenon-133, prediction of tissue loss in human frostbite with (Sumner et al.), 899

Y

Young, John R. (In old St. John's burying ground on Mulberry Street) (Day), 895

SURGERY

Official Publication

SOCIETY OF UNIVERSITY SURGEONS

SOCIETY FOR VASCULAR SURGERY

Editors in Chief

Walter F. Ballinger
Washington University
School of Medicine
St. Louis, Mo. 63110

Theodore Drapanas
Department of Surgery
Tulane University School of Medicine
New Orleans, La. 70112

Editorial Board

William S. Blakemore
Philadelphia

Robert A. Chase
Stanford

Warren H. Cole
Asheville

Clarence Dennis
Brooklyn

Paul A. Ebert
New York

Richard H. Egdahl
Boston

William W. L. Glenn
New Haven

James D. Hardy
Jackson

Samuel L. Kountz
San Francisco

Lloyd D. MacLean
Montreal

Dwight C. McGoon
Rochester, Minn.

John S. Najarian
Minneapolis

Marshall J. Orloff
San Diego

Mark M. Ravitch
Pittsburgh

William Silen
Boston

William R. Waddell
Denver

W. Dean Warren
Atlanta

George D. Zuidema
Baltimore

Editors Emeritus

Alton Ochsner
New Orleans

Owen H. Wangensteen
Minneapolis

Volume 70
July—December, 1971

THE C. V. MOSBY COMPANY
St. Louis

XUM

VOLUME 70

Copyright © 1971 by
THE C. V. MOSBY COMPANY
All rights reserved

Printed in the United States of America

Index to volume 70

AUTHOR INDEX*

A

Abell, Murray R. (*See* Hart et al.), 730
Ahmed, Saeed. Abdominoscrotal hydrocele in an infant, 316
Aldrete, Joaquin S. (*See* Moody and Aldrete), 154
Alho, Atti. (*See* Motsay et al.), 271
Alpert, Joseph. (*See* Parsonnet, Alpert, and Brief), 927
Amato, Joseph J. (*See* Billy, Amato, and Rich), 385
Amemiya, H. (*See* Kux et al.), 103
Anderson, James N. (*See* Wheeler et al.), 20
Anderson, Marion C. (*See* Suriyapa and Anderson), 455
Andrews, H. Gibbs. (*See* White et al.), 288
Angell, William W. (*See* Cohn, Kosek, and Angell), 723
Aso, Yoshio. (*See* Takagi et al.), 661
Austen, W. Gerald. (*See* Buckley et al.), 814
—. (*See* Mundth et al.), 78

B

Bacalzo, Leonardo V., Jr., Cary, Alice L., Miller, Leonard D., and Parkins, William M. Methods and critical uptake volume for hemorrhagic shock in rats, 555
Bankole, Michael A. (*See* Bernhard et al.), 205
Barton, Richard Thomas. The cuff: a mixed blessing, 800
Bastien, Edouard. (*See* Stuart et al.), 128
Batson, Robert C. (*See* Nance, Batson, and Kline), 169
Bell, G., and Short, D. W. Effect of thromboendarterectomy upon muscle blood flow as measured by the clearance of ^{133}xenon, 649
Bell, Martin L., Herman, Arnold H., Smith, Edgar E., Egdahl, Richard H., and Rutenburg, Alexander M. Role of lysosomal instability in the development of refractory shock, 341
Belzer, Folkert O., and Kountz, Samuel L. Arteriovenous Quinton-Scribner shunt with the profunda femoris artery and saphenous vein, 443
Benner, Douglas A. (*See* Narhwold et al.), 778
Beran, Robert L. (*See* Williams et al.), 47
Berger, Knute. (*See* Sauvage et al.), 940
Berman, Irwin R., Smulson, Mark E., Pattengale, Paul, and Schoenbach, Stanley F. Pulmonary microembolism after soft tissue injury in primates, 246
Bernatz, Philip E. (*See* Gomes et al.), 353
Bernhard, Victor. (*See* Evans, Conley, and Bernhard), 762
Bernhard, William F., Bankole, Michael A., LaFarge, C. G., Bornhorst, Walter, Frieze, Sylvia, and Curtis, G. W. Development of an experimental model for functional cardiac replacement, 205
Bernstein, Eugene F. (*See* Shea and Bernstein), 580
Billy, Lawrence J., Amato, Joseph J., and Rich, Norman M. Aortic injuries in Vietnam, 385
Blakemore, Q. S., McGarrity, G. J., Thurer, R. J., Wallace, H. W., MacVaugh, H. III, and Coriell, L. L. Infection by airborne bacteria with cardiopulmonary bypass, 830
Boehmig, H. J. (*See* Kux et al.), 103
Bornhorst, Walter. (*See* Bernhard et al.), 205
Brawley, Robert K. (*See* Elkins, DeMeester, and Brawley), 622
Brief, Donald K. (*See* Parsonnet, Alpert, and Brief), 927
Broadrick, Gary L., Ehrlich, Frank E., and Kramer, Scott G. Simplified treatment of pilonidal disease on an outpatient basis, 635
Bryant, Lester R. (*See* Mobin-Uddin, Trinkle, and Bryant), 914
Buchwald, Henry, and Varco, Richard L. A bypass operation for obese hyperlipidemic patients, 62
Buckley, Mortimer J., Mundth, Eldred D., Daggett, Willard M., DeSantis, Roman W., Sanders, Charles A., and Austen, W. Gerald. Surgical therapy for early complications of myocardial infarction, 814
—. (*See* Mundth et al.), 78
Bumgardner, Joe R. (*See* Williams, Bumgardner, and Campbell), 904
Burgos-Calderon, R., Pankey, G. A., and Figueroa, J. E. Infection in kidney transplantation, 334
Busch, George J. (*See* Shaipanich et al.), 113
Buselmeier, T. J., Santiago, E. A., Simmons, R. L., Najarian, J. S., and Kjellstrand, C. M. Arteriovenous shunts for pediatric hemodialysis, 638
Butcher, Harvey R., Jr. (*See* Hoopes et al.), 29
Byfield, John. (*See* Draz et al.), 446
Byrne, James P., Jr. (*See* Parrish and Byrne), 962

C

Calabrese, Carmine, and Pearlman, Donald M. Gallbladder disease below the age of 21 years, 413
Cameron, John L., Crisler, Crile, Margolis, Simeon, DeMeester, Tom R., and Zuidema, George D. Acute pancreatitis with hyperlipemia, 53

*July, pp. 1-160; August, pp. 161-324; September, pp. 325-484; October, pp. 485-648; November, pp. 649-800; December, pp. 801-1004.

CAMPBELL, GILBERT S. (*See* Williams, Bumgardner, and Campbell), 904
CARALPS-RIERA, JOSE, (*See* Lipton, Caralps-Riera, and Estrin), 746
CARY, ALICE L. (*See* Bacalzo et al.), 555
CASTELFRANCHI, PIER L. (*See* Uchida et al.), 604
CHANG, ALVIN C. K. (*See* Ulano et al.), 678
CHASE, ROBERT A. Graduate training and teaching physician reimbursement, 551
—. Who should pay for graduate surgical education: views of the surgical educator, 506
CHAWLA, RAMESH C. (*See* Sugawara, Chawla, and Eisenberg), 325
CHILD, CHARLES G., III. An assessment of the quality of surgical services in the United States, 535
CLARK, DAVID A. (*See* Griepp et al.), 88
COCHRUM, KENT C., MAIN, RAYMOND K., AND KOUNTZ, SAMUEL L. A new matching technique: the mixed skin cell–leukocyte reaction (MSLR), 97
COHN, LAWRENCE H., FOGARTY, THOMAS J., DAILY, PAT O., AND SHUMWAY, NORMAN E. Emergency coronary artery bypass, 821
—, KOSEK, JON C., AND ANGELL, WILLIAM W. Pulmonary arteriosclerosis produced by hyperoxemic normotensive perfusion, 723
COLE, BUELL C., AND DICKINSON, S. JEROME. Acute volvulus of the stomach in infants and children, 707
COLLINS, HAROLD A. (*See* Killen et al.), 736
COLLINS, JOHN J., JR. (*See* Ferenchak, Collins, and Morgan), 674
CONLEY, JAMES E. (*See* Evans, Conley, and Bernhard), 762
COOLEY, DENTON A. (*See* Liotta et al.), 856
COOPERMAN, AVRAM M., MCILRATH, DONALD C., HOLLEY, KEITH E., AND MAHER, FRANK T. Successful 24 hour preservation of canine kidneys, 399
CORIELL, L. L. (*See* Blakemore et al.), 830
COUCH, NATHAN P. (*See* Van De Water et al.), 954
COULAM, CRAIG M. (*See* Jones et al.), 891
CRANE, J. MICHAEL. (*See* Van Way et al.), 876
CRISLER, CRILE. (*See* Cameron et al.), 53
CUNNINGHAM, JOSEPH N., JR., SHIRES, G. TOM, AND WAGNER, YVONNE. Cellular transport defects in hemorrhagic shock, 215
CURTIS, G. W. (*See* Bernhard et al.), 205
CURUTCHET, PABLO, TERZ, JOSE J., KAY, SAUL, AND LAWRENCE, WALTER, JR. Primary liver cancer, 467

D

DAGGETT, WILLARD M. (*See* Buckley et al.), 814
DAILY, PAT O. (*See* Cohn et al.), 821
DANESE, CALLISTO A., AND HAIMOV, MOSHE. Inhibition of experimental arterial thrombosis in dogs with platelet-deaggregating agents, 927
DARDIK, HERBERT, DARDIK, IRVING, SMITH, ROBERT B., MITSUDO, SUMI, SHERMAN, ABRAHAM, AND GLIEDMAN, MARVIN L. Intrasplenic thyroid implantation with reverse splenocaval shunting: a morphologic and functional evaluation, 561
DARDIK, IRVING. (*See* Dardik et al.), 561
DARLING, R. CLEMENT. (*See* Duncan, Linton, and Darling), 974
DAUGHERTY, HARRY K. (*See* Robicsek, Mullen, and Daugherty), 425
DELGADO, FRANK. (*See* Pomerantz, Delgado, and Eiseman), 865
DEMEESTER, TOM R. (*See* Cameron et al.), 53
—. (*See* Elkins, DeMeester, and Brawley), 622
DEPALMA, RALPH G. (*See* Wray, DePalma, and Hubay), 969
DESANTIS, ROMAN W. (*See* Buckley et al.), 814
—. (*See* Mundth et al.), 78
DE TAKATS, GEZA. Heparin tolerance revisited, 318
DICKINSON, S. JEROME. (*See* Cole and Dickinson), 707
DIETZMAN, RONALD H. (*See* Motsay et al.), 271
DINBAR, ALEX, RAPAPORT, SAMUEL I., PATCH, MARY JANE, GRANT, WHIZ, AND FONKALSRUD, ERIC W. Hematologic effects of endotoxin on the macaque monkey, 596
DIXON, F. J. (*See* Kux et al.), 103
DMOCHOWSKI, JAN R. (*See* Van De Water et al.), 954
DOBELL, A. R. C. (*See* Pitzele, Sze, and Dobell), 407, 569
DOBERNECK, RAYMOND C. A comparison of hemosiderosis and hematopoiesis after end-to-side and side-to-side portacaval shunt, 428
DONG, EUGENE, JR. (*See* Griepp et al.), 88
DORN, B. C. (*See* Strasberg et al.), 140
DOVE, GORDON B. (*See* Van De Water et al.), 954
DOWNES, JOHN J. (*See* Pierce et al.), 839
DRAGSTEDT, LESTER R. (*See* Isaza et al.) 616
DRAZ, SAID, MINAMI, ROLAND, BYFIELD, JOHN, AND FONKALSRUD, ERIC W. Biochemical evaluation of hepatic preservation techniques in the isolated rat liver, 446
DUFEK, JOHN H. (*See* Kirsh et al.), 439
DUNCAN, WILLIAM C., LINTON, ROBERT R., AND DARLING, R. CLEMENT. Aortoiliofemoral atherosclerotic occlusive disease: comparative results of endarterectomy and Dacron bypass grafts, 974

E

EGDAHL, RICHARD H. University surgery and health care (Presidential address, Society of University Surgeons), 1
—. (*See* Bell et al.), 341
—. (*See* Strasberg et al.), 140
EHRLICH, FRANK E. (*See* Broadrick, Ehrlich, and Kramer), 635
EISEMAN, BEN. (*See* Pomerantz, Delgado, and Eiseman), 865
EISENBERG, M. MICHAEL. (*See* Sugawara, Chawla, and Eisenberg), 325
ELKINS, RONALD C., DEMEESTER, TOM R., AND BRAWLEY, ROBERT K. Surgical exposure of the upper abdominal aorta and its branches, 622
ELLIS, F. HENRY. Surgery for chronic asynergy of the left ventricle: a current appraisal (Presidential address, Society for Vascular Surgery), 801
EMERY, JOHN L. (*See* Haddadin and Emery), 311
ESTRIN, JOSEPH. (*See* Lipton, Caralps-Riera, and Estrin), 746
EVANS, WILLIAM E., CONLEY, JAMES E., AND BERNHARD, VICTOR. Popliteal aneurysms, 762
EWING, MAURICE. The history of lumbar sympathectomy, 790

F

FALK, R. E., HANCOCK, D. J., AND LANGER, B. Prolongation of allograft survival by specific antibody-to-lymphocyte–activating substances, 122

FEINBERG, BARRY JAY. Solid capillary buds of the vasa vasorum: a proposed source for mammary implant–coronary artery anastomoses, 751
FELLOWS, KENNETH E. (*See* Shochat et al.), 370
FERENCHAK, PAUL, COLLINS, JOHN J., JR., AND MORGAN, ALFRED. Drop size and rate in parenteral infusion, 674
FERGUSON, JAMES A., MAZIER, W. PATRICK, GANCHROW, MANDELL I., AND FRIEND, WILLIAM G. The closed techniques of hemorrhoidectomy, 480
FIELD, PAUL, AND VAN BOXEL, PAUL. The role of Linton flap procedure in the management of stasis dermatitis and ulceration in the lower limb, 920
FIGUEROA, J. E. (*See* Burgos-Calderon, Pankey, and Figueroa), 334
FISCHBACH, H. (*See* Liebau et al.), 459
FISCHER, JOSEF E., MYERS, ALEXANDER, AND JAMES, HOWARD. Ornithine decarboxylase: a defect in liver regeneration following portacaval shunt, 182
FITTS, C. THOMAS, SHARBAUGH, ROBERT J., HARGEST, THOMAS S., MAJESKI, JAMES A., AND GRABER, CHARLES D. Closed-circuit extracorporeal filtration of thoracic duct lymph, 786
FOGARTY, THOMAS J. (*See* Cohn et al.), 821
FOLK, ROBERT L. (*See* Williams et al.), 47
FOLKMAN, JUDAH. (*See* Shochat et al.), 370
FONKALSRUD, ERIC W. (*See* Dinbar et al.), 596
—. (*See* Draz et al.), 446
FOSTER, JOHN H. (*See* Van Way et al.), 876
FRIEDMAN, HERMAN P. (*See* Siegel, Goldwyn, and Friedman), 232
FRIEND, WILLIAM G. (*See* Ferguson et al.), 480
FRIEZE, SYLVIA. (*See* Bernhard et al.), 205
FURMAN, SEYMOUR. (*See* Grossman and Furman), 304

G

GAGO, OTTO. (*See* Kirsh et al.), 439
GANCHROW, MANDELL I. (*See* Ferguson et al.), 480
GARRICK, THOMAS. (*See* Stuart et al.), 128
GINSBERG, ELI. Who should pay for graduate surgical education: the economics of residency training, 500
GILLENWATER, JAY Y. (*See* Orr and Gillenwater), 656
GLENN, THOMAS M. (*See* Lovett et al.), 223
GLIEDMAN, MARVIN L. (*See* Dardik et al.), 561
GO, TAIJUN. (*See* Takagi et al.), 661
GOLDFARB, DAVID. (*See* Rabinowitz and Goldfarb), 703
GOLDMAN, W. P. Triple biopsy for carcinoma of the breast: a clinical study of 200 cases, 628
GOLDWYN, ROGER M. (*See* Siegel, Goldwyn, and Friedman), 232
GOMES, MANUEL M. R., KOTTKE, BRUCE A., BERNATZ, PHILIP E., AND TITUS, JACK L. Effect of ileal bypass on aortic atherosclerosis of white Carneau pigeons, 353
GOODRICH, JACK K. (*See* Jones et al.), 891
GOWER, ROLAND E. (*See* Killen et al.), 736
GRABER, CHARLES D. (*See* Fitts et al.), 786
GRANT, WHIZ. (*See* Dinbar et al.), 596
GRAVENS, DANIAL L. (*See* Hoopes et al.), 29
GREEN, GEORGE E. Rate of blood flow from the internal mammary artery, 809
GREGORY, CHARLES. A system of resident evaluation, 538
GREINEDER, JÜRGEN K. (*See* Hellenbrand et al.), 416
GRIEPP, RANDALL B., STINSON, EDWARD B., DONG, EUGENE, JR., CLARK, DAVID A., AND SHUMWAY, NORMAN E. Hemodynamic performance of the transplanted human heart, 88
GROGAN, EDWIN L., II. (*See* Killen et al.), 736
GROSSMAN, JAMES I., AND FURMAN, SEYMOUR. Intraaortic balloon augmentation during drug-induced myocardial depression, 304
GROTH, CARL G. (*See* Pappas et al.), 872
GUMP, FRANK E., MASHIMA, YOSHIYA, JØRGENSEN, STEN, AND KINNEY, JOHN M. Simultaneous use of three indicators to evaluate pulmonary capillary damage in man, 262
GUREWICH, V. (*See* Rosoff, Salzman, and Gurewich), 12

H

HABER, CLARK D. (*See* Warren and Haber), 546
HADDADIN, ANWAR J., AND EMERY, JOHN L. Pulmonary retention simulating pneumonia as a cause of death in children with tracheoesophageal fistula, 311
HAIMOV, MOSHE. (*See* Danese and Haimov), 927
HALGRIMSON, CHARLES G. (*See* Pappas et al.), 872
HALL, ROBERT J. (*See* Liotta et al.), 856
HALLER, J. ALEX, JR. (*See* White et al.), 288
HALLMAN, GRADY L. (*See* Liotta et al.), 856
HANCOCK, D. J. (*See* Falk, Hancock, and Langer), 122
HARGEST, THOMAS S. (*See* Fitts et al.), 786
HART, WILLIAM R., THOMPSON, NORMAN W., HILDRETH, DOUGLAS H., AND ABELL, MURRAY R. Hyperplastic pacinian corpuscles: a cause of digital pain, 730
HELLENBRAND, WILLIAM E., SLOVIK, DAVID M., ROSENBLOOM, BARRY E., GREINEDER, JÜRGEN K., AND STUCKEY, JACKSON H. The deterioration of hemodynamic parameters during thiopental sodium anesthesia, 416
HERMAN, ARNOLD H. (*See* Bell et al.), 341
HEYWOOD, GERALD R. (*See* Simmons et al.), 38
HILBERMAN, MARK. (*See* Peters and Hilberman), 280
HILDRETH, DOUGLAS H. (*See* Hart et al.), 730
HILL, BARBARA J. (*See* Kaplan et al.), 198
HINSHAW, LERNER B. (*See* Kux et al.), 392
HOFFMAN, NORMAN E. (*See* Reigel et al.), 161
HOIE, JOHAN, AND SCHENK, WORTHINGTON G., JR. Impact of disseminated intravascular coagulation on central hemodynamics and cardiac performance: an experimental study in dogs, 685
HOLDEN, WILLIAM D. The interface between undergraduate and graduate medical education, 498
HOLLEY, KEITH E. (*See* Cooperman et al.), 399
HOLMES, DONALD D. (*See* Kux et al.), 392
HOLTER, ARLEN. (*See* Stuart et al.), 128
HOOPES, JOHN E., BUTCHER, HARVEY R., JR., MARGRAF, HARRY W., AND GRAVENS, DANIEL L. Silver lactate burn cream, 29
HUBAY, CHARLES H. (*See* Wray, DePalma, and Hubay), 969
HUTCHER, NEIL E., AND SALZBERG, ARNOLD M. Preileal transposition of colon to prevent the development of short bowel syndrome in puppies with 90 percent small intestinal resection, 189

XUM

HYDE, GEORGE A., JR. (*See* Tawes, Nelson, and Hyde), 782

I

ISAZA, JAIME, JONES, DAVID T., DRAGSTEDT, LESTER R., AND WOODWARD, EDWARD R. The effect of vagotomy on motor function of the gallbladder, 616
ISCH, JOHN H. (*See* Narhwold et al.), 778

J

JACKSON, FREDERICK E., AND PRATT, RICHARD A. Technical report: a silicone rubber suction drain for drainage of subdural hematomas, 578
JACOBSON, EUGENE D. (*See* Ulano et al.), 678
JAEGER, THOMAS. (*See* Motsay et al.), 271
JAMES, HOWARD. (*See* Fischer, Myers, and James), 182
JOLLEY, WELDON B. (*See* Klaue and Jolley), 718
JONES, DAVID T. (*See* Isaza et al.), 616
JONES, ROBERT H., COULAM, CRAIG M., GOODRICH, JACK K., AND SABISTON, DAVID C., JR. Radionuclide quantitation of lung function in patients with pulmonary disorders, 891
JORGENSEN, STEN. (*See* Gump et al.), 262

K

KAHLE, H. REICHARD. (*See* Schmidt and Kahle), 614
KAHN, DONALD R. (*See* Kirsh et al.), 439
KANTROWITZ, ARTHUR. (*See* Mundth et al.), 78
KAPLAN, EDWIN L., HILL, BARBARA J., LOCKE, SUSAN, AND PESKIN, GERALD W. Acid-base balance and parathyroid function: metabolic alkalosis and hyperparathyroidism, 198
KAY, SAUL. (*See* Curutchet et al.), 467
KILLEN, DUNCAN A., GROGAN, EDWIN L., II, GOWER, ROLAND E., AND COLLINS, HAROLD A. Response of canine plasma-ionized calcium and magnesium to the rapid infusion of acid–citrate–dextrose (ACD) solution, 736
KIM, JIN-POK. (*See* Shaipanich et al.), 113
KINNEY, JOHN M. (*See* Gump et al.), 262
KIRSH, MARVIN M., KAHN, DONALD R., LUCCHESI, BENEDICT, GAGO, OTTO, DUFEK, JOHN H., LEE, ROBERT W. S., STUTZ, DAVID, AND SLOAN, HERBERT. Effect of glucagon on pulmonary vascular resistance, 439
KJELLSTRAND, C. M. (*See* Buselmeier et al.), 638
KLAUE, PETER, AND JOLLEY, WELDON B. The comparative effectiveness of corticosteroids applied topically as pretreatment of rabbit skin allografts, 718
KLINE, DAVID G. (*See* Nance, Batson, and Kline), 169
KLOSE, H. J. (*See* Liebau et al.), 459
KOPTA, JOSEPH A. An approach to the evaluation of operative skills, 297
KOSEK, JON C. (*See* Cohn, Kosek, and Angell), 723
KOTTKE, BRUCE A. (*See* Gomes et al.), 353
KOUNTZ, SAMUEL L. (*See* Belzer and Kountz), 443
—. (*See* Cochrum, Main, and Kountz), 97
KOWARSKI, AVINOAM. (*See* Weldon et al.), 433
KRAMER, SCOTT G. (*See* Broadrick, Ehrlich, and Kramer), 635
KUX, M., BOEHMIG, H. J., AMEMIYA, H., TORISU, M., YOKOYAMA, T., LAUNOIS, B., POPOVTZER, WILSON, C. B., DIXON, F. J., AND STARZL, T. E. Modification of hyperacute canine renal homograft and pig-to-dog heterograft rejection by the intra-arterial infusion of citrate, 103
—, HOLMES, DONALD D., HINSHAW, LERNER B., AND MASSION, WALTER H. Effects of injection of live *Escherichia coli* organisms on dogs after denervation of the abdominal viscera, 392

L

LAFARGE, C. G. (*See* Bernhard et al.), 205
LANGER, B. (*See* Falk, Hancock, and Langer), 122
LARSON, SANFORD J. (*See* Reigel et al.), 161
LAUNOIS, B. (*See* Kux et al.), 103
LAWRENCE, WALTER, JR. (*See* Curutchet et al.), 467
LEE, ROBERT W. S. (*See* Kirsh et al.), 439
LEFER, ALLAN M. (*See* Lovett et al.), 233
LEINBACH, ROBERT C. (*See* Mundth et al.), 78
LIEBAU, G., KLOSE, H. J., FISCHBACH, H., AND PICHLMAIER, H. Simple tests for viability of the hypothermic pulsatile perfused dog kidney, 459
LILLEHEI, RICHARD C. (*See* Motsay et al.), 271
—. (*See* Uchida et al.), 604
LINDSKOG, GUSTAF E. A note concerning Ambroise Paré's *Dix livres de la chirurgie*, 452
LINN, BERNARD S., POLK, HIRAM C., JR., ROBINSON, JOHN K., ZEPPA, ROBERT, AND WARREN, W. DEAN. Elective programs in undergraduate surgical education: a second look, 175
LINTON, ROBERT R. (*See* Duncan, Linton, and Darling), 914
LIOTTA, DOMINGO, HALLMAN, GRADY L., HALL, ROBERT J., AND COOLEY, DENTON A. Surgical treatment of congenital coronary artery fistula, 856
LIPTON, SIDNEY, CARALPS-RIERA, JOSE, AND ESTRIN, JOSEPH. The plasma clot extraction of biliary duct calculi: a preliminary report, 746
LOCKE, SUSAN. (*See* Kaplan et al.), 198
LONG, DAVID M JR. (*See* Meier and Long), 796
LOVETT, WILLIAM L., WANGENSTEEN, STEPHEN L., GLENN, THOMAS M., AND LEFER, ALLAN M. Presence of a myocardial depressant factor in patients in circulatory shock, 223
LUCAS, CHARLES E. (*See* Choichi, Lucas, and Walt), 590
LUCCHESI, BENEDICT. (*See* Kirsh et al.), 439
LUKL, PETR. (*See* Shaipanich et al.), 113
LUNDGREN, GÖRAN. (*See* Simmons et al.), 38
LYNCH, ALISON. (*See* Stuart et al.), 128

M

MCGARRITY, G. J. (*See* Blakemore et al.), 830
MCILRATH, DONALD C. (*See* Cooperman et al.), 399
MCKHANN, CHARLES F. (*See* Simmons et al.), 38
MACLEAN, LLOYD D. The impact of Quebec health services program on surgical training, 529
MACVAUGH, H., III. (*See* Blakemore et al.), 830
MAHER, FRANK T. (*See* Cooperman et al.), 399
MAIN, RAYMOND K. (*See* Cochrum, Main, and Kountz), 97
MAJESKI, JAMES A. (*See* Fitts et al.), 786
MANSFIELD, PETER B. (*See* Sauvage et al.), 940

MARGOLIS, SIMEON. (*See* Cameron et al.), 53
MARGRAF, HARRY W. (*See* Hoopes et al.), 29
MARKLEY, KEHL, THORTON, STEVEN W., AND SMALLMAN, ELIZABETH. The effect of traumatic and nontraumatic shock on allograft survival, 667
MARTINEAU, GERARD L. (*See* Pappas et al.), 872
MASHIMA, YOSHIYA. (*See* Gump et al.), 262
MASSION, WALTER H. (*See* Kux et al.), 392
MASSOPUST, LEO C., JR. (*See* White et al.), 135
MATHEWS, LYLE E. (*See* Cooperman et al.), 399
MAZIER, W. PATRICK. (*See* Ferguson et al.), 480
MAZUR, DAVID. (*See* White et al.), 288
MEIER, MILTON A., AND LONG, DAVID M., JR. Carotid artery loop for repeated catheterization of the left ventricle in dogs, 796
MIGEON, CLAUDE J. (*See* Weldon et al.), 433
MILES, A. A. (*See* Polk and Miles), 71
MILLER, LEONARD D. (*See* Bacalzo et al.), 555
MILLER, ROSCOE E. (*See* Narhwold et al.), 778
MINAMI, ROLAND. (*See* Draz et al.), 446
MITSUDO, SUMI. (*See* Dardik et al.), 561
MOBIN-UDDIN, K., TRINKLE, J. KENT, AND BRYANT, LESTER R. Present status of the inferior vena cava umbrella filter, 914
MONCHIK, G. J., AND RUSSELL, P. S. Transplantation of small bowel in the rat: technical and immunological considerations, 693
MOODY, FRANK, AND ALDRETE, JOAQUIN S. Hydrogen permeability of canine gastric secretory epithelium during formation of acute superficial erosions, 154
MOORE, ANTHONY R. A ruler for accurate measurement of the common bile duct, 323
MOORE, FRANCIS D. Surgical manpower, 543
MORGAN, ALFRED. (*See* Ferenchak, Collins, and Morgan), 674
MOTSAY, GEORGE J., ALHO, ANTTI, JAEGER, THOMAS, SCHULTZ, LEONARD S., DIETZMAN, RONALD H., AND LILLEHEI, RICHARD C. Effects of methylprednisolone, phenoxybenzamine, and epinephrine tolerance in canine endotoxin shock: study of isogravimetric capillary pressures in forelimb and intestine, 271
MULLEN, DONALD C. (*See* Robicsek, Mullen, and Daugherty), 425
MULLICK, SUBHAS C. (*See* Wheeler et al.), 20
MUNDTH, ELDRED D., BUCKLEY, MORTIMER J., LEINBACH, ROBERT C., DESANTIS, ROMAN W., SANDERS, CHARLES A., KANTROWITZ, ARTHUR, AND AUSTEN, W. GERALD. Myocardial revascularization for the treatment of cardiogenic shock complicating acute myocardial infarction, 78
—. (*See* Buckley et al.), 814
MYERS, ALEXANDER. (*See* Fischer, Myers, and James), 182

N

NAHRWOLD, DAVID L., ISCH, JOHN H., BENNER, DOUGLAS A., AND MILLER, ROSCOE E. Effect of fluid administration and operation on the mortality rate in barium peritonitis, 778
— AND SHARIATZEDEH, ALI N. Role of the common bile duct in formation of bile and in gastrin-induced chloresis, 147
NAJARIAN, J. S. (*See* Buselmeier et al.), 638
NAKAGAWA, YASUTSUGU. (*See* Sauvage et al.), 946
NANCE, FRANCIS C., BATSON, ROBERT C., AND KLINE, DAVID G. Ammonia production in germfree Eck fistula dogs, 169
NATHAN, HILEL. (*See* Ordan and Nathan), 375
NELSON, JAMES A. (*See* Tawes, Nelson, and Hyde), 782

O

ORDA, RUBEN, AND NATHAN, HILEL. Biliary duct stone formation, 375
ORR, WILLIAM A., AND GILLENWATER, JAY Y. Hypernephroma presenting as an acute abdomen, 656
OWENS, GUY. (*See* Reed and Owens), 254

P

PALMER, WILLIAM M. (*See* Pappas et al.), 872
PANKEY, G. A. (*See* Burgos-Calderon, Pankey, and Figueroa), 334
PAPPAS, GEORGE, PALMER, WILLIAM M., MARTINEAU, GERARD L., PENN, ISRAEL, HALGRIMSON, CHARLES G., GROTH, CARL G., AND STARZL, THOMAS E. Hemodynamic alterations caused during orthotopic liver transplantation in humans, 872
PARKINS, WILLIAM M. (*See* Bacalzo et al.), 555
PARRISH, CHARLES M., AND BYRNE, JAMES P., JR. Surgical correction of carotid artery obstruction in children, 962
PARSA, MOHAMAD. (*See* Price et al.), 768
PARSONNET, VICTOR, ALPERT, JOSEPH, AND BRIEF, DONALD K. Autogenous polypropylene-supported collagen tubes for long-term arterial replacement, 927
PATCH, MARY JANE. (*See* Dinbar et al.), 596
PATTENGALE, PAUL. (*See* Berman et al.), 246
PEARLMAN, DONALD M. (*See* Calabrese and Pearlman), 413
PEARSON, DANIEL. (*See* Wheeler et al.), 20
PENN, ISRAEL. (*See* Pappas et al.), 872
PESKIN, GERALD W. (*See* Kaplan et al.), 198
PETERS, RICHARD M., AND HILBERMAN, MARK. Respiratory insufficiency: diagnosis and control of therapy, 280
PETRI, G., SZENOHRADSZKY, J., AND PÓRSZÁSZ-GIBISZER, K. Sympatholytic treatment of "paralytic" ileus, 359
PICHLMAIER, H. (*See* Liebau et al.), 459
PIERCE, WILLIAM S., RAPHAELY, RUSSELL C., DOWNES, JOHN J., AND WALDHAUSEN, JOHN A. Cardiopulmonary bypass in infants: indications, methods, and results in 32 patients, 839
PITZELE, S., SZE, S., AND DOBELL, A. R. C. Functional evaluation of the heart after storage under hypothermic coronary perfusion, 569
—, —, AND —. Hypothermic plasma perfusion of the isolated heart, 407
POLK, HIRAM C. JR., AND MILES, A. A. Enhancement of bacterial infection by ferric iron: kinetics, mechanisms, and surgical significance, 71
—. (*See* Linn et al.), 175
POMERANTZ, MARVIN, DELGADO, FRANK, AND EISEMAN, BEN, Unsuspected depressed cardiac output following blunt thoracic or abdominal trauma, 865
POPOVTZER, M. (*See* Kux et al.), 103
PÓRSZÁSZ-GIBISZER, K. (*See* Petri, Szenohradszky, and Pórszász-Gibiszer), 359
POWERS, SAMUEL R. Program overview (Presidential address, Allan, O. Whipple Surgical Society), 489
PRATT, RICHARD A. (*See* Jackson and Pratt), 578

XUM

PRICE, JOHN B., JR., TAKESHIGE, KOTOHITO, PARSA, MOHAMAD, AND VOORHEES, ARTHUR B., JR. Characteristics of animals maintained without splanchnic portal organs, 768
PRIOR, JOHN A. (*See* Williams et al.), 47

R

RABINOWITZ, RONALD, AND GOLDFARB, DAVID. Surgical treatment of axillosubclavian venous thrombosis: a case report, 703
RAPAPORT, SAMUEL I. (*See* Dinbar et al.), 596
RAPHAELY, RUSSELL C. (*See* Pierce et al.), 839
RAY, PRASANTA K. (*See* Simmons et al.), 38
REED, RONALD R., AND OWENS, GUY. Simultaneous and instantaneous blood flow and tissue gas measurements in experimental "stroke" therapy, 254
REIGEL, DONALD H., LARSON, SANFORD, J., SANCES, ANTHONY, JR., HOFFMAN, NORMAN E., AND SWITALA, KEVIN J. A gastric acid inhibitor of cerebral origin, 161
RICH, NORMAN M. (*See* Billy, Amato, and Rich), 385
RIDDELL, DOUGLAS H. (*See* Van Way et al.), 876
RIOS, ANGELYN. (*See* Simmons et al.), 38
RISEMBERG, HERMAN. (*See* White et al.), 288
ROBICSEK, FRANCIS, MULLEN, DONALD C., AND DAUGHERTY, HARRY K. Aortic aneurysms involving the origin of the renal arteries: a simple solution to a complicated problem, 425
ROBINSON, JOHN K. (*See* Linn et al.), 175
ROSENBLOOM BARRY E. (*See* Hellenbrand et al.), 416
ROSENFELD, LOUIS. Urinary excretion of constituents of acid mucopolysaccharides and other carbohydrate polymers in man following surgery, 378
ROSOFF, C. B., SALZMAN, E. W., AND GUREWICH, V. WITH THE TECHNICAL ASSISTANCE OF SCHROEDER, H. K. Reduction of platelet serotonin and the response to pulmonary emboli, 12
ROWE, MARC I., AND URIBE, FRANCISCO L. Diaphragmatic hernia in the newborn infant: blood gas and pH considerations, 758
RUIZ, J. OCTAVIO. (*See* Uchida et al.), 604
RUSSELL, P. S. (*See* Monchik and Russell), 693
RUTENBURG, ALEXANDER M. (*See* Bell et al.), 341

S

SABISTON, DAVID C. (*See* Jones et al.), 891
SALZBERG, ARNOLD M. (*See* Hutcher and Salzberg), 189
SALZMAN, E. W. (*See* Rosoff, Salzman, and Gurewich), 12
SANCES, ANTHONY JR. (*See* Reigel et al.), 161
SANDERS, CHARLES A. (*See* Buckley et al.), 814
—. (*See* Mundth et al.), 78
SANTIAGO, E. A. (*See* Buselmeier et al.), 638
SAPIRSTEIN, WOLF. A method of reinforcing vascular prosthetic anastomosis, 744
SAUVAGE, LESTER R., BERGER, KNUTE, WOOD, STEPHEN J., NAKAGAWA, YASUTSUGU, AND MANSFIELD, PETER B. An external velour surface for porous arterial prostheses, 940
SCHENK, WORTHINGTON G. JR. (*See* Hoie and Schenk), 685
SCHMIDT, FRANK E., AND KAHLE, H. REICHARD. Biopsy of apical pulmonary tumors: an open technique with needle biopsy, 614
SCHOENBACH, STANLEY F. (*See* Berman et al.), 246
SCHROEDER, H. K. (*See* Rosoff, Salzman, and Gurewich), 12
SCHULTZ, LEONARD S. (*See* Motsay et al.), 271
—. (*See* Uchida et al.), 604
SCHWARTZ, HARRY. Who should pay for graduate surgical education: notes from a consumer, 503
SHAIPANICH, THONGDEE, VANWIJCK, ROMAIN R., KIM, JIN-POK, LUKL, PETR, BUSCH, GEORGE J., AND WILSON, RICHARD E. Enhancement of rat renal allografts with F(ab′)$_2$ fragment of donor-specific antikidney serum, 113
SHARBAUGH, ROBERT J. (*See* Fitts et al.), 786
SHARIATZEDEH, ALI N. (*See* Nahrwold and Shariatzedeh), 147
SHEA, MICHAEL A., AND BERNSTEIN, EUGENE F. Chronic implantation of the Baylor left ventricular bypass device in normal calves, 580
SHERMAN, ABRAHAM. (*See* Dardik et al.), 561
SHIRES, G. TOM. The foreign graduate as a surgical resident, 549
—. (*See* Cunningham, Shires, and Wagner), 215
SHOCHAT, STEPHEN J., STRAND, ROY D., FELLOWS, KENNETH E., AND FOLKMAN, JUDAH. Perforated gastric duplication with pulmonary communication: a case report, 370
SHORT, D. W. (*See* Bell and Short), 649
SHUMACKER, HARRIS B. Autogenous tissue cardiac valves, 848
SHUMWAY, NORMAN E. (*See* Cohn et al.), 821
—. (*See* Griepp et al.), 88
SIEGEL, JOHN H., GOLDWYN, ROGER M., AND FRIEDMAN, HERMAN P. Pattern and process in the evolution of human septic shock, 232
SIMMONS, RICHARD L., RIOS, ANGELYN, LUNDGREN, GÖRAN, RAY, PRASANTA K., MCKHANN, CHARLES F., AND HEYWOOD, GERALD R. Immunospecific regression of methylcholanthrene fibrcsarcoma with the use of neuraminidase, 38
—. (*See* Buselmeier et al.), 638
SLOAN, HERBERT. (*See* Kirsh et al.), 439
SLOVIK, DAVID M. (*See* Hellenbrand et al.), 416
SMALL, D. M. (*See* Strasberg et al.), 140
SMALLMAN, ELIZABETH. (*See* Markley, Thorton, and Smallman), 667
SMITH, EDGAR E. (*See* Bell et al.), 341
SMITH, ROBERT B. (*See* Dardik et al.), 561
SMULSON, MARK E. (*See* Berman et al.), 246
SOMMERSCHILD, H. C. Intestinal perforation in the newborn infant as a complication in umbilical vein infusion or exchange transfusion, 609
STARZL, T. E. (*See* Kux et al.), 103
—. (*See* Pappas et al.), 872
STEPHENS, O. FREDERICK O., Suppression of experimental tumor seeding by biocidal sutures, 348
STINSON, EDWARD B. (*See* Griepp et al.), 88
STRAND, ROY D. (*See* Shochat et al.), 370
STRASBERG, S. M., DORN, B. C., SMALL, D. M., AND EGDAHL, R. H. The effect of biliary tract pressure on bile flow, bile salt secretion, and bile salt synthesis in the primate, 140
STUART, FRANK P., GARRICK, THOMAS, HOLTER, ARLEN, LYNCH, ALISON, AND BASTIEN, EDOUARD. Delayed rejection of renal allografts in the rat and dog by reduction of passenger leukocytes, 128
STUCKEY, JACKSON H. (*See* Hellenbrand et al.), 416

STUTZ, DAVID. (*See* Kirsh et al.), 439
SUGAWARA, CHOICHI, LUCAS, CHARLES E., AND WALT, ALEXANDER J. Effect of histamine and aspirin on healing of standardized gastric ulcers in dogs, 590
SUGAWARA, KYOJI, CHAWLA, RAMESH C., AND EISENBERG, M. MICHAEL. Simultaneous observation of gastric motor and secretory response to vagal stimulation, 325
SURIYAPA, CHINDA, AND ANDERSON, MARION C. A simple device to control drainage from enterocutaneous fistulas, 455
SWITALA, KEVIN J. (*See* Reigel et al.), 161
SZE, S. (*See* Pitzele, Sze, and Dobell), 407, 569
SZENOHRADSZKY, J. (*See* Petri, Szenohradszky, and Pórszász-Gibiszer), 359

T

TAKAGI, TADANOBU, GO, TAIJUN, TAKAYASU, HISAO, AND ASO, YOSHIO. Fiberoptic pyeloureteroscope, 661
TAKAYASU, HISAO. (*See* Takagi et al.), 661
TAKESHIGE, KOTOHITO. (*See* Price et al), 768
TALBERT, JAMES L. (*See* Weldon et al.), 433
TASLITZ, NORMAN. (*See* White et al.), 135
TAWES, ROY L., JR., NELSON, JAMES A., AND HYDE, GEORGE A., JR. Hepatic hemangioma: successful resection in a neonate, 782
TERZ, JOSE J. (*See* Curutchet et al.), 467
THOMPSON, NORMAN W. (*See* Hart et al.), 730
THORTON, STEVEN W. (*See* Markley, Thorton, and Smallman), 667
THURER, R. J. (*See* Blakemore et al.), 830
TILSON, M. DAVID, AND WRIGHT, HASTINGS K. An adaptive change in ileal Na-K-ATPase activity after jejunectomy or jejunal transposition, 421
TITUS, JACK L. (*See* Gomes et al.), 353
TORISU, M. (*See* Kux et al.), 103
TREAT, ELMER. (*See* Ulano et al.), 678
TRINKLE, J. KENT. (*See* Mobin-Uddin, Trinkle, and Bryant), 914

U

UCHIDA, HISANORI, RUIZ, J. OCTAVIO, CASTELFRANCHI, PIER L., SCHULTZ, LEONARD S., AND LILLEHEI, RICHARD C. New technique of one-stage heterotopic pancreaticoduodenal autotransplantation in dogs, 604
ULANO, HARVEY B., TREAT, ELMER, CHANG, ALVIN C. K., AND JACOBSON, EUGENE D. Splanchnic circulatory responses to ouabain in shock, 678
URIBE, FRANCISCO L. (*See* Rowe and Uribe), 758

V

VAN BOXEL, PAUL. (*See* Field and Van Boxel), 920
VAN DE WATER, JOSEPH, DMOCHOWSKI, JAN R., DOVE, GORDON B., AND COUCH, NATHAN P. Evaluation of an impedance flowmeter in arterial surgery, 954
VAN WAY, CHARLES W., III, CRANE, J. MICHAEL, RIDDELL, DOUGLAS H., AND FOSTER, JOHN H. Arteriovenous fistula in the portal circulation, 876
VANWIJCK, ROMAIN R. (*See* Shaipanich et al.), 113
VARCO, RICHARD L. (*See* Buchwald and Varco), 62
VERDURA, JAVIER. (*See* White et al.), 135
VOORHEES, ARTHUR B., JR. (*See* Price et al.), 768

W

WAGNER, YVONNE. (*See* Cunningham, Shires, and Wagner), 215
WALDHAUSEN, JOHN A. (*See* Pierce et al.), 839
WALLACE, H. W. (*See* Blakemore et al.), 830
WALT, ALEXANDER J. (*See* Choichi, Lucas, and Walt), 590
WANGENSTEEN, STEPHEN L. (*See* Lovett et al.), 223
WARREN, RICHARD, AND HABER, CLARK D. The foreign graduate as a surgical resident, 546
WARREN, W. DEAN. (*See* Linn et al.), 175
WAUGH, DAVID E. A new technique for gastrotomy, 368
WELCH, CLAUDE E. The surgical fee system, 523
WELDON, VIRGINIA V., KOWARSKI, AVINOAM, TALBERT, JAMES L., AND MIGEON, CLAUDE J. Effect of operation upon sodium metabolism and aldosterone secretion rate in children, 433
WHITE, JOHN J., ANDREWS, H. GIBBS, RISEMBERG, HERMAN, MAZUR, DAVID, AND HALLER, J. ALEX, JR. Prolonged respiratory support in newborn infants with a membrane oxygenator, 288
WHITE, ROBERT J., WOLIN, LEE R., MASSOPUST, LEO C., JR., TASLITZ, NORMAN, AND VERDURA, JAVIER. Cephalic exchange transplantation in the monkey, 135
WHEELER, H. BROWNELL, MULLICK, SUBHAS C., ANDERSON, JAMES N., AND PEARSON, DANIEL. Diagnosis of occult deep vein thrombosis by a noninvasive bedside technique, 20
WILLIAMS, G. DOYNE, BUMGARDNER, JOE R., AND CAMPBELL, GILBERT S. Absence of reflex pulmonary hypertension and systemic hypotension following blood clot pulmonary embolism, 904
WILLIAMS, THOMAS E., JR., BERAN, ROBERT L., FOLK, ROBERT L., PRIOR, JOHN A., AND ZOLLINGER, ROBERT M. The Ohio State University Pilot Medical School, 47
WILSON, C. B. (*See* Kux et al.), 103
WILSON, RICHARD E. (*See* Shaipanich et al.), 113
WILSON, VERNON E. Who should pay for graduate surgical education: Federal perspectives, 520
WOLIN, LEE R. (*See* White et al.), 135
WOLKSTEIN, IRWIN. Who shall pay for graduate surgical education: Medicare and the Social Security Administration, 510
WOOD, STEPHEN J. (*See* Sauvage et al.), 940
WOODWARD, EDWARD R. (*See* Isaza et al.), 616
WRAY, RICHARD, DEPALMA, RALPH G., AND HUBAY, CHARLES H. Late occlusion of aortofemoral bypass grafts: influence of cigarette smoking, 969
WRIGHT, HASTINGS K. (*See* Tilson and Wright), 421

Y

YOKOYAMA, T. (*See* Kux et al.), 103

Z

ZAPP, JOHN S. Who should pay for graduate surgical education: position of the Nixon Administration, 514
ZEPPA, ROBERT. (*See* Linn et al.), 175
ZOLLINGER, ROBERT M. (*See* Williams et al.), 47
ZUIDEMA, GEORGE D. The assessment of issues facing American surgery, 493
—. (*See* Cameron et al.), 53

SUBJECT INDEX*

A

Abdominal aorta and branches, surgical exposure of (Elkins, DeMeester, and Brawley), 622

Abdominal or thoracic trauma, blunt, unsuspected depressed cardiac output following (Pomerantz, Delgado, and Eiseman), 865

Abdominal viscera, effects of injection of live *Escherichia coli* organisms of dogs after denervation of (Kux et al.), 392

Abdominoscrotal hydrocele in infant (Ahmed), 316

Acid, gastric, inhibitor of cerebral origin (Reigel et al.), 161

mucopolysaccharides and other carbohydrate polymers in man following surgery, urinary excretion of constituents of (Rosenfeld), 378

Acid-base balance and parathyroid function: metabolic alkalosis and hyperparathyroidism (Kaplan et al.), 198

Acid-citrate-dextrose (ACD) solution, response of canine plasma-ionized calcium and magnesium to rapid infusion of (Killen et al.), 736

Aldosterone secretion rate and sodium metabolism in children, effect of operation upon (Weldon et al.), 433

Alkalosis, metabolism, and hyperparathyroidism: acid-base balance and parathyroid function (Kaplan et al.), 198

Allograft(s), rabbit skin, comparative effectiveness of corticosteroids applied topically as pretreatment of (Klaue and Jolley), 718

renal in rat and dog by reduction of passenger leukocytes, delayed rejection of (Stuart et al.), 128

with $F(ab')_2$ fragment of donor-specific antikidney serum, enhancement of (Shaipanich et al), 113

survival, effect of traumatic and nontraumatic shock on (Markley, Thorton, and Smallman), 667

by specific antibody-to-lymphocyte–activating substance, prolongation of (Falk, Hancock, and Langer), 122

American surgery, assessment of issues facing (Zuidema), 493

Ammonia production in germ-free Eck fistula dogs (Nance, Batson, and Kline), 169

Anastomoses, coronary artery–mammary implant, proposed source for: solid capillary buds of vasa vasorum (Feinberg), 751

Anesthesia, thiopental sodium, deterioration of hemodynamic parameters during (Hellenbrand et al.), 416

Aneurysms, aortic, involving origin of renal arteries: simple solution to complicated problem (Robicsek, Mullen, and Daugherty), 425

popliteal (Evans, Conley, and Bernhard), 762

Antibody-to-lymphocyte–activating substances, specific, prolongation of allograft survival by (Falk, Hancock, and Langer), 122

Antikidney serum, donor-specific, enhancement of rat renal allografts with $F(ab')_2$ fragment of (Shaipanich et al.), 113

Aorta, abdominal, and branches, surgical exposure of (Elkins, DeMeester, and Brawley), 622

Aortic aneurysms involving origin of renal arteries: simple solution to complicated problem (Robicsek, Mullen, and Daugherty), 435

atherosclerosis of white Carneau pigeons, effect of ileal bypass on (Gomes et al.), 353

injuries in Vietnam (Billy, Amato, and Rich), 385

intra-, balloon augmentation during drug-induced myocardial depression (Grossman and Furman), 304

Aortofemoral bypass grafts, late occlusion of: influence of cigarette smoking (Wray, DePalma, and Hubay), 969

Aortoiliofemoral atherosclerotic occlusive disease: comparative results of endarterectomy and Dacron bypass grafts (Duncan, Linton, and Darling), 974

Arterial prostheses, porous, external velour surface for (Sauvage et al.), 940

replacement, long-term, autogenous polypropylene-supported collagen tubes for (Parsonnet, Alpert, and Brief), 935

surgery, evaluation of impedance flowmeter in (Van De Water et al.), 954

thrombosis, experimental, in dogs with platelet-deaggregating agents, inhibition of (Danese and Haimov), 927

Arteriosclerosis, pulmonary, produced by hyperoxemic normotensive perfusion (Cohn, Kosek, and Angell), 723

Arteriovenous fistula in portal circulation (Van Way et al.), 876

Quinton-Scribner shunt with profunda femoris artery and saphenous vein (Belzer and Kountz), 443

shunts for pediatric hemodialysis (Buselmeier et al.), 638

Artery(ies) bypass, coronary, emergency (Cohn et al.), 821

carotid, obstruction in children, surgical correction of (Parrish and Byrne), 962

coronary, fistula, congenital, surgical treatment of (Liotta et al.), 856

–mammary implant anastomoses, proposed source for: solid capillary buds of vasa vasorum (Feinberg), 751

loop, carotid, for repeated catheterization of left ventricle in dogs (Meier and Long), 796

mammary, internal, rate of blood flow from (Green), 809

profunda femoris, and saphenous vein, arteriovenous Quinton-Scribner shunt with (Belzer and Kountz), 443

renal, aortic aneurysms involving origins of: simple solution to complicated problem (Robicsek, Mullen, and Daugherty), 425

*July, pp. 1-160; August, pp. 161-324; September, pp. 325-484; October, pp. 485-648; November, pp. 649-800, December, pp. 801-1004.

Aspirin and histamine, effect of healing of standardized gastric ulcers in dogs (Sugawara, Lucas, and Walt), 590
Asynergy, chronic, of left ventricle, surgery for: current appraisal (Ellis), 801
Atherosclerosis, aortic, of white Carneau pigeons, effect of ileal bypass on (Gomes et al.), 353
Atherosclerotic occlusive disease, aortoiliofemoral: comparative results of endarterectomy and Dacron bypass grafts (Duncan, Linton, and Darling), 974
Autotransplantation, one-stage heterotopic pancreaticoduodenal, in dogs, new technique of (Uchida et al.), 604
Axillosubclavian venous thrombosis, surgical treatment of: case report (Rabinowitz and Goldfarb), 703

B

Bacteria, air-borne, with cardiopulmonary bypass, infection by (Blakemore et al.), 830
Bacterial infection by ferric iron, enhancement of: kinetics, mechanisms, and surgical significance (Polk and Miles), 71
Balloon, intra-aortic, augmentation during drug-induced myocardial depression (Grossman and Furman), 304
Barium peritonitis, effect of fluid administration and operation on mortality rate in (Nahrwold et al.), 778
Baylor left ventricular bypass device in normal calves, chronic implantation of (Shea and Bernstein), 580
Bedside technique, noninvasive, diagnosis of occult deep vein thrombosis by (Wheeler et al.), 20
Bile duct, common, role of, in formation of bile and in gastrin-induced choleresis (Nahrwold and Shariatzedeh), 147
  ruler for accurate measurement of (Moore), 323
  formation of, and gastrin-induced choleresis, role of common bile duct in (Nahrwold and Shariatzedeh), 147
Biliary duct calculi, plasma clot extraction of: preliminary report (Lipton, Caralps-Riera, and Estrin), 746
  stone formation (Orda and Nathan), 375
  tract pressure on bile flow, bile salt secretion, and bile salt synthesis in primate, effect of (Strasberg et al.), 140
Biocidal sutures, suppresion of experimental tumor seeding by (Stephens), 348
Biopsy of apical pulmonary tumors: open technique with needle biopsy (Schmidt and Kahle), 614
  triple, for carcinoma of breast: clinical study of 200 cases (Goldman), 628
Blood flow from internal mammary artery, rate of (Green), 809
  muscle, as measured by clearance of ^{133}xenon, effect of thromboendarterectomy upon (Bell and Short), 649
  and tissue gas measurements, simultaneous and instantaneous, in experimental "stroke" therapy (Reed and Owens), 254
  gas and pH considerations: diaphragmatic hernia in newborn infant (Rowe and Uribe), 758
Bowel, small, in rat, transplantation of: technical and immunological considerations (Monchik and Russell), 693
Bowel—Cont'd
  syndrome, short, in puppies with 90 percent small intestinal resection, pre-ileal transposition of colon to prevent development of (Hutcher and Salzberg), 189
Breast, triple biopsy for carcinoma of; clinical study of 200 cases (Goldman), 628
Burn cream, silver lactate (Hoopes et al.), 29
Bypass, cardiopulmonary, in infants: indications, methods, and results in 32 patients (Pierce et al.), 839
  infection by air-borne bacteria with (Blakemore et al.), 830
  coronary artery, emergency (Cohn et al.), 821
  device, Baylor left ventricular, in normal calves, chronic implantation of (Shea and Bernstein), 580
  grafts, aortofemoral, late occlusion of: influence of cigarette smoking (Wray, DePalma, and Hubay), 969
  Dacron, and endarterectomy, comparative results of: aortoiliofemoral atherosclerotic occlusive disease (Duncan, Linton, and Darling), 974
  ileal, effect on aortic atherosclerosis of white Carneau pigeons (Gomes et al.), 353
  operation for obese hyperlipedemic patients (Buchwald and Varco), 62

C

Calcium and magnesium, plasma-ionized canine, response to rapid infusion of acid-citrate-dextrose (ACD) solution (Killen et al.), 736
Calculi, biliary duct, plasma clot extraction of: preliminary report (Lipton, Caralps-Riera, and Estrin), 746
Cancer, liver, primary (Curutchet et al.), 467
Capillary buds, solid, of vasa vasorum: proposed source for mammary implant–coronary artery anastomoses (Feinberg), 751
  pressures, isogravimetric, in forelimb and intestine, study of: effects of methylprednisolone, phenoxybenzamine, and epinephrine tolerance in canine endotoxin shock (Motsay et al.), 271
  pulmonary, damage in man, simultaneous use of three indicators to evaluate (Gump et al.), 262
Carbohydrate polymers, other, and acid mucopolysaccarides in man following surgery, urinary excretion of constituents of (Rosenfeld), 378
Carcinoma of breast, triple biopsy for: clinical study of 200 cases (Goldman), 628
Cardiac output, unsuspected depressed, following blunt thoracic or abdominal trauma (Pomerantz, Delgado, and Eiseman), 865
  performance and central hemodynamics, impact of disseminated intravascular coagulation on: experimental study in dogs (Hoie and Schenk), 685
  replacement, functional, development of experimental model for (Bernhard et al.), 205
  valves, tissue, autogenous (Shumacker), 848
Cardiogenic shock complicating acute myocardial infarction, myocardial revascularization for treatment of (Mundth et al.), 78

Cardiopulmonary bypass in infants: indications, methods, and results in 32 patients (Pierce et al.), 839
infection by air-borne bacteria with (Blakemore et al.), 830
Carotid artery loop for repeated catheterization of left ventricle in dogs (Meier and Long), 796
obstruction in children, surgical correction of (Parrish and Byrne, 962
Catheterization, repeated, of left ventricle in dogs, carotid artery loop for (Meier and Long), 796
Cava, inferior vena, umbrella filter, present status of (Mobin-Uddin, Trinkle, and Bryant), 914
Cell, mixed skin–leukocyte reaction (MSLR): new matching technique (Cochrum, Main, and Kountz), 97
Cellular transport defects in hemorrhagic shock (Cunningham, Shires, and Wagner), 215
Cephalic exchange transplantation in monkey (White et al.), 135
Cerebral origin, gastric acid inhibitor of (Reigel et al.), 161
Cigarette smoking, influence of: late occlusion of aortofemoral bypass grafts (Wray, DePalma, and Hubay), 969
Circulation, portal, arteriovenous fistula in (Van Way et al.), 876
Circulatory responses, splanchnic, to ouabain in shock (Ulano et al.), 678
shock, presence of myocardial depressant factor in patients in (Lovett et al.), 223
Citrate, modification of hyperacute canine renal hemograft and pig-to-dog heterograft rejection by intra-arterial infusion of (Kux et al.), 103
Clot, plasma, extraction of biliary duct calculi: preliminary report (Lipton, Caralps-Riera, and Estrin), 746
Coagulation, disseminated intravascular, impact on central hemodynamics and cardiac performance: experimental study in dogs (Hoie and Schenk), 685
Collagen tubes, autogenous polypropylene-supported, for long-term arterial replacement (Parsonnet, Alpert, and Brief), 935
Colon, pre-ileal transposition of, to prevent development of short bowel syndrome in puppies with 90 percent small intestinal resection (Hutcher and Salzberg), 189
Common bile duct, ruler for accurate measurement of (Moore) 323
Consumer, notes from: who should pay for graduate surgical education (Schwartz), 503
Coronary artery bypass, emergency (Cohn et al.), 821
fistula, congenital, surgical treatment of (Liotta et al.), 856
–mammary implant anastomoses, proposed source for: solid capillary buds of vasa vasorum (Feinberg), 758
perfusion, hypothermic, functional evaluation of heart after storage under (Pitzele, Sze, and Dobell), 569
Corpuscles, pacinian, hyperplastic: cause of digital pain (Hart et al.), 730
Corticosteroids applied topically as pretreatment of rabbit skin allografts, comparative effectiveness of (Klaue and Jolley), 718
Cream, silver lactate burn (Hoopes et al.), 29
Cuff: mixed blessing (editorial) (Barton), 800

D

Dacron bypass grafts and endarterectomy, comparative results of: aortoiliofemoral atherosclerotic occlusive disease (Duncan, Linton, and Darling), 974
Decarboxylase, ornithine; defect in liver regeneration following portacaval shunt (Fischer, Myers, and James), 182
Depressant factor, myocardial, in patients in circulatory shock, presence of (Lovett et al.), 223
Depression, drug-induced, myocardial, intra-aortic balloon augmentation during (Grossman and Furman), 304
Dermatitis, stasis, and ulceration in lower limb, role of Linton flap procedure in management of (Field and Van Boxel), 920
Diabetic and normal dogs, simultaneous observation of gastric motor and secretory response to vagal stimulation in (Sugawara, Chawla, and Eisenberg), 325
Diaphragmatic hernia in newborn infant: blood gas and pH considerations (Rowe and Uribe), 758
Digital pain, cause of: hyperplastic pacinian corpuscles (Hart et al.), 730
Disease, aortoiliofemoral atherosclerotic occlusive: comparative results of endarterectomy and Dacron bypass grafts (Duncan, Linton, and Darling), 974
gallbladder, below age of 21 years (Calabrese and Pearlman), 413
pilonidal, on outpatient basis, simplified treatment of (Broadrick, Ehrlich, and Kramer), 635
Drainage from enterocutaneous fistulas, simple device to control (Suriyapa and Anderson), 455
Duct, common bile, role of, in formation of bile and in gastrin-induced choleresis (Nahrwold and Shariatzedeh), 147
ruler for accurate measurement of (Moore), 323
biliary, calculi, plasma clot extraction of: preliminary report (Lipton, Caralps-Riera, and Estrin), 746
lymph, thoracic, closed-circuit extracorporeal filtration of (Fitts et al.), 786
stone, biliary, formation (Orda and Nathan), 375
Duplication, gastric, perforated, with pulmonary communication: case report (Shochat et al.), 370

E

Eck fistula dogs, germ-free, amonia production in (Nance, Batson, and Kline), 169
Education, graduate surgical, who should pay for: economics of residency training (Ginsberg), 500
Federal perspectives, 520
Medicare and Social Security Administration (Wolkstein), 510
notes from a consumer (Schwartz), 503
position of the Nixon Administration (Zapp), 514

Education, graduate surgical, who should pay for—Cont'd
views of surgical educator (Chase), 506
undergraduate and graduate medical, interface between (Holden), 498
surgical, elective programs in: a second look (Linn et al.), 175
Educator, surgical, views of: who should pay for graduate surgical education (Chase), 506
Emboli, pulmonary, reduction of platelet serotonin and response to (Rosoff, Salzman, and Gurewich), 12
Embolism, pulmonary, blood clot, absence of reflex pulmonary hypertension and systemic hypotension following (Williams, Bumgardner, and Campbell), 904
Endarterectomy and Dacron bypass grafts, comparative results of: aortoiliofemoral atherosclerotic occlusive disease (Duncan, Linton, and Darling), 974
Endotoxin on the macaque monkey, hematologic effects of (Dinbar et al.), 596
shock, canine, effects of methylprednisolone, phenoxybenzamine, and epinephrine tolerance in: study of isogravimetric capillary pressures in forelimb and intestine (Motsay et al.), 271
Enterocutaneous fistulas, simple device to control drainage from (Suriyapa and Anderson), 455
Epinephrine tolerance, methylprednisolone, and phenoxybenzamine, effects of: isogravimetric capillary pressures in forelimb and intestine (Motsay et al.), 271
Epithelium, canine gastric secretory, during formation of acute superficial erosions, hydrogen permeability of (Moody and Aldrete), 154
Erosion, acute, superficial, hydrogen permeability of canine gastric secretory epithelium during formation of (Moody and Aldrete), 154
Escherichia coli organisms, live, effects of injection of on dogs after denervation of abdominal viscera (Kux et al.), 392
Extracorporeal filtration, closed-circuit, of thoracic duct lymph (Fitts et al.), 786

F

$F(ab')_2$ fragment of donor-specific antikidney serum, enhancement of rat renal allografts with (Shaipanich et al.), 113
Federal perspectives: who should pay for graduate surgical education (Wilson), 520
Fee system, surgical (Welch), 523
Ferric iron, enhancement of bacterial infection by: kinetics, mechanisms, and surgical significance (Polk and Miles), 71
Fiberoptic pyeloureteroscope (Takagi et al.), 661
Fibrosarcoma, methylcholanthrene, with use of neuraminidase, immunospecific regression of (Simmons et al.), 38
Filter, umbrella, inferior vena cava, present status of (Mobin-Uddin, Trinkle, and Bryant), 914
Filtration, closed-circuit extracorporeal, of thoracic duct lymph (Fitts et al.), 786
Fistula, arteriovenous, in portal circulation (Van Way et al.), 876
congenital coronary artery, surgical treatment of (Liotta et al.), 856
Fistulas—Cont'd
enterocutaneous, simple device to control drainage from (Suriyapa and Anderson), 455
tracheoesophageal, pulmonary retention simulating pneumonia as cause of death in children with (Haddadin and Emery), 311
Flap procedure, Linton, in management of stasis dermatitis and ulceration in lower limb, role of (Field and Van Boxel), 920
Flow, bile, bile salt secretion, and bile salt synthesis in primate, effect of biliary tract pressure on (Strasberg et al.), 140
blood, from internal mammary artery, rate of (Green), 809
and tissue gas measurements, simultaneous and instantaneous, in experimental "stroke" therapy (Reed and Owens), 254
muscle blood, as measured by clearance of ^{133}xenon, effect of thromboendarterectomy upon (Bell and Short), 649
Flowmeter, impedance, in arterial surgery, evaluation of (Van De Water et al.), 954
Foreign graduate as surgical resident (Warren and Haber), 546, (Shires), 549

G

Gallbladder disease below age of 21 years (Calabrese and Pearlman), 413
effect of vagotomy on motor function of (Isaza et al.), 616
Gas, tissue, and blood flow measurements, simultaneous and instantaneous, in experimental "stroke" therapy (Reed and Owens), 254
Gastric acid inhibitor of cerebral origin (Reigel et al.), 161
duplication, perforated, with pulmonary communication: case report (Shochat et al.), 370
motor and secretory response to vagal stimulation in normal and diabetic dogs, simultaneous observation of (Sugawara, Chawla, and Eisenberg), 325
secretory epithelium, canine, during formation of acute superficial erosions, hydrogen permeability of (Moody and Aldrete), 154
ulcers, standardized, in dogs, effect of aspirin and histamine on healing of (Sugawara, Lucas, and Walt), 590
Gastrin-induced chloresis, role of common bile duct in formation of bile and in (Nahrwold and Shariatzedeh), 147
Gastrotomy, new technique for (Waugh) 368
Germ-free Eck fistulas, ammonia production in (Nance, Batson, and Kline), 169
Glucagon, effect on pulmonary vascular resistance (Kirsh et al.), 439
Graduate medical education (*See* Education)
surgical education (*See* Education)
training and teaching physician reimbursement (Chase), 551
Grafts, bypass, aortofemoral, late occlusion of: influence of cigarette smoking (Wray, DePalma, and Hubay), 969
Dacron, and endarterectomy, comparative results of: aortoiliofemoral atherosclerotic occlusive disease (Duncan, Linton, and Darling), 974

H

Health care and university surgery (Egdahl), (Presidential address, Society of University Surgeons), 1
services program, Quebec, impact on surgical training (MacLean), 529
Heart, isolated, hypothermic plasma perfusion of (Pitzele, Sze, and Dobell), 407
after storage under hypothermic coronary perfusion, functional evaluation of (Pitzele, Sze, and Dobell), 569
transplanted human, hemodynamic performance of (Griepp et al.), 88
Hemangioma, hepatic: successful resection in the neonate (Tawes, Nelson, and Hyde), 782
Hematomas, subdural, silicone rubber suction drain for drainage of: technical report (Jackson and Pratt), 578
Hematopoiesis and hemosiderosis after end-to-side and side-to-side portacaval shunt, comparison of (Doberneck), 428
Hemodynamic alterations caused during orthotopic liver transplantation in humans (Pappas et al.), 872
parameters during thiopental sodium anesthesia, deterioration of (Hellenbrand et al.), 416
performance of transplanted human heart (Griepp et al.), 88
Hemodynamics, central, and cardiac performance, impact of disseminated intravascular coagulation on: experimental study in dogs (Hoie and Schenk), 685
Hemorrhagic shock, cellular transport defects in (Cunningham, Shires, and Wagner), 215
shock in rats, methods and critical uptake volume for (Bacalzo et al.), 555
Hemorrhoidectomy, closed technique of (Ferguson et al.), 480
Hemosiderosis and hematopoiesis after end-to-side and side-to-side portacaval shunt, comparison of (Doberneck), 428
Heparin tolerance revisited (de Takats), 318
Hepatic hemangioma: successful resection in neonate (Tawes, Nelson, and Hyde), 782
preservation techniques in isolated rat liver, biochemical evaluation of (Draz et al.), 446
Hernia, diaphragmatic, in newborn infant: blood gas and pH considerations (Rowe and Uribe), 758
Heterograft, pig-to-dog, and hyperacute canine renal homograft rejection by intra-arterial infusion of citrate, modification of (Kux et al.), 103
Heterotopic pancreaticoduodenal autotransplantation, one-stage, in dogs, new technique of (Uchida et al.), 604
Histamine and aspirin, effect on healing of standardized gastric ulcers in dogs (Sugawara, Lucas, and Walt), 590
Homograft, hyperacute canine renal, and pig-to-dog heterograft rejection by intra-arterial infusion of citrate, modification of (Kux et al.), 103
Hydrocele, abdominoscrotal, in infant (Ahmed), 316
Hydrogen permeability of canine gastric secretory epithelium during formation of acute superficial erosions (Moody and Aldrete), 154
Hyperlipemia, acute pancreatitis with (Cameron et al.), 53
Hyperlipidemic patients, obese, bypass operation for (Buchwald and Varco), 62
Hyperparathyroidism and metabolic alkalosis: acid-base balance and parathyroid function (Kaplan et al.), 198
Hypertension, pulmonary, and systemic hypotension following blood clot pulmonary embolism, absence of (Williams, Bumgardner, and Campbell), 904
Hypotension, systemic, and pulmonary hypertension following blood clot pulmonary embolism, absence of (Williams, Bumgardner, and Campbell), 904
Hypothermic coronary perfusion, functional evaluation of heart after storage under (Pitzele, Sze, and Dobell), 569
plasma perfusion of isolated heart (Pitzele, Sze, and Dobell), 407
pulsatile perfused dog kidney, simple tests for viability of (Liebau et al.), 459

I

Ileal bypass, effect on aortic atherosclerosis of white Carneau pigeons (Gomes et al.), 353
Na-K-ATPase activity after jejunectomy or jejunal transposition, adaptive change in (Tilson and Wright), 421
pre-, transposition of colon to prevent the development of short bowel syndrome in puppies with 90 percent small intestinal resection (Hutcher and Salzberg), 189
Ileus, "paralytic," sympatholytic treatment of (Petri, Szenohradszky, and Pórszász-Gibiszer), 359
Impedance flowmeter in arterial surgery, evaluation of (Van De Water et al.), 954
Implantation, chronic, of Baylor left ventricular bypass device in normal calves (Shea and Bernstein), 580
thyroid, intrasplenic, with reverse splenocaval shunting: morphologic and functional evaluation (Dardik et al.), 561
Immunospecific regression of methylcholanthrene fibrosarcoma with use of neuraminidase (Simmons et al.), 38
Infarction, myocardial, acute, myocardial revascularization for treatment of cardiogenic shock complicating (Mundth et al.), 78
surgical therapy for early complications of (Buckley et al.), 814
Infection by air-borne bacteria with cardiopulmonary bypass (Blakemore et al.), 830
bacterial, by ferric iron, enhancement of: kinetics, mechanisms, and surgical significance (Polk and Miles), 71
in kidney transplantation (Burgos-Calderon, Pankey, and Figueroa), 334
Infusion, intra-arterial, of citrate, modification of hyperacute canine renal homograft and pig-to-dog heterograft rejection by (Kux et al.), 103
parenteral, drop size and rate in (Ferenchak, Collins, and Morgan), 674
vein, umbilical, or exchange transfusion, intestinal perforation in the newborn infant as complication in (Sommerschild), 609
Injury, soft tissue, in primates, pulmonary microembolism after (Berman et al.), 246

Intestinal perforation in newborn infant as complication in umbilical vein infusion or exchange transfusion (Sommerschild), 609
Intestine and forelimb, study of isogravimetric capillary pressures in: effects of methylprednosolone, phenoxybenzamine, and epinephrine tolerance in canine endotoxin shock (Motsay et al.), 271
Intrasplenic thyroid implantation with reverse splenocaval shunting: morphologic and functional evaluation (Dardik et al.), 561
Iron, ferric, enhancement of bacterial infection by: kinetics, mechanisms, and surgical significance (Polk and Miles), 71

J

Jejunal transposition or jejunectomy, adaptive change in ileal Na-K-ATPase activity after (Tilson and Wright), 421
Jejunectomy or jejunal transposition, adaptive change in ileal Na-K-ATPase activity after (Tilson and Wright), 421

K

Kidney, canine, successful 24 hour preservation of (Cooperman et al.), 399
  hypothermic pulsatile perfused, dog, simple tests for viability of (Liebau et al.), 459
  transplantation, infection in (Burgos-Calderon, Pankey, and Figueroa), 334

L

Lactate, silver, burn cream (Hoopes et al.), 29
Leukocyte–mixed skin cell reaction (MSLR): new matching technique (Cochrum, Main, and Kountz), 97
Leukocytes, passenger, delayed rejection of renal allografts in rat and dog by reduction of (Stuart et al.), 128
Linton flap procedure in management of stasis dermatitis and ulceration in lower limb, role of (Field and Van Boxel), 920
Liver cancer, primary (Curutchet et al.), 467
  isolated rat, biochemical evaluation of hepatic preservation techniques in (Draz et al.), 446
  regeneration following portacaval shunt, defect in: ornithine decarboxylase (Fischer, Myers, and James), 182
  transplantation, orthotopic, in humans, hemodynamic alterations caused during (Pappas et al.), 872
Lumbar sympathectomy, history of (Ewing), 790
Lung function in patients with pulmonary disorders, radionuclide quantitation of (Jones et al.), 891
Lymphocyte-to-antibody–activating substances, specific, prolongation of allograft survival by (Falk, Hancock, and Langer), 122
Lyososomal instability, role in development of refractory shock (Bell et al.), 341

M

Magnesium and calcium, plasma-ionized canine, response to rapid infusion of acid-citrate-dextrose (ACD) solution (Killen et al.), 736
Mammary artery, internal, rate of blood flow from (Green), 809
  implant–coronary artery anastomoses, proposed source for: solid capillary buds of vasa vasorum (Feinberg), 751
Medical education, graduate and undergraduate (*See* Education)
  School, Pilot, Ohio State University (Williams et al.), 47
Medicare and Social Security Administration; who should pay for graduate surgical education (Wolkstein), 510
Membrane oxygenator, prolonged respiratory support in newborn infants with (White et al.), 288
Metabolic alkalosis and hyperparathyroidism: acid-base balance and parathyroid function (Kaplan et al.), 198
Metabolism, sodium, and aldosterone secretion rate in children, effect of operation upon (Weldon et al.), 433
Methylcholanthrene fibrosarcoma with use of neuraminidase, immunospecific regression of (Simmons et al.), 38
Methylprednisolone, phenoxybenzamine, and epinephrine tolerance in canine endotoxin shock, effects of: study of isogravimetric capillary pressures in forelimb and intestine (Motsay et al.), 271
Microembolism, pulmonary, after soft tissue injury in primates (Berman et al.), 246
Motor function of gallbladder, effect of vagotomy on (Isaza et al.), 616
  gastric, and secretory response to vagal stimulation in normal and diabetic dogs, simultaneous observation of (Sugawara, Chawla, and Eisenberg), 325
Mucopolysaccarides, acid, and other carbohydrate polymers in man following surgery, urinary excretion of constituents of (Rosenfeld) 378
Muscle blood flow as measured by clearance of ^{133}xenon, effect of thromboendarterectomy upon (Bell and Short), 649
Myocardial depressant factor in patients in circulatory shock (Lovett et al.), 223
  depression, drug-induced, intra-aortic balloon augmentation during (Grossman and Furman), 304
  infarction, acute, myocardial revascularization for treatment of cardiogenic shock complicating (Mundth et al.), 78
    surgical therapy for early complications of (Buckley et al.), 814

N

Na-K-ATPase activity, ileal, after jejunectomy or jejunal transposition, adaptive change in (Tilson and Wright), 421
Needle biopsy, open technique with: biopsy of apical pulmonary tumors with (Schmidt and Kahle), 614
Neuraminidase, immunospecific regression of methylcholanthrene fibrosarcoma with use of (Simmons et al.), 38
Newborn infant as complication in umbilical vein infusion or exchange transfusion, intestinal perforation in (Sommerschild), 609
Nixon Administration, position of: who should pay for graduate surgical education (Zapp), 514

XUM

O

Obstruction, carotid artery, in children, surgical correction of (Parrish and Byrne), 962
Occlusion, late, of aortofemoral bypass grafts: influence of cigarette smoking (Wray, DePalma, and Hubay), 969
Occlusive disease, aortoiliofemoral atherosclerotic: comparative results of endarterectomy and Dacron bypass grafts (Duncan, Linton, and Darling), 974
Ohio State University Pilot Medical School (Williams et al.), 47
Operation, bypass, for obese hyperlipidemic patients (Buchwald and Varco), 62
Organs, portal, splanchnic, characteristics of animals maintained without (Price et al.), 768
Ornithine decarboxylase: defect in liver regeneration following portacaval shunt (Fischer, Myers, and James), 182
Ouabain in shock, splanchnic circulatory responses to (Ulano et al.), 678
Outpatient basis, simplified treatment of pilonidal disease on (Broadrick, Ehrlich, and Kramer), 635
Oxygenator, prolonged respiratory support in newborn infants with (White et al.), 288

P

Pacinican corpuscles, hyperplastic: cause of digital pain (Hart et al.), 730
Pancreaticoduodenal autotransplantation, one-stage heterotopic, in dogs, new technique of (Uchida et al.), 604
Pancreatitis, acute, with hyperlipemia (Cameron et al.), 53
Parathyroid function and acid-base balance: metabolic alkalosis and hyperthyroidism (Kaplan et al.), 198
Parenteral infusion, drop size and rate in (Ferenchak, Collins, and Morgan), 674
Paré's, Ambroise, *Dix livres de la chirurgie*, note concerning (Lindskog), 452
Perforation, intestinal, in newborn infant as complication in umbilical vein infusion or exchange transfusion (Sommerschild), 609
Perfusion, coronary, hypothermic, functional evaluation of heart after storage under (Pitzele, Sze, and Dobell), 569
  hypothermic plasma, of isolated heart (Pitzele, Sze, and Dobell), 407
  normotensive, hyperoxemic, pulmonary arteriosclerosis produced by (Cohn, Kosek, and Angell), 723
Peritonitis, barium, effect of fluid administration and operation on mortality rate in (Nahrwold et al.), 778
Phenoxybenzamine, epinephrine tolerance, and methylprednisolone in canine endotoxin shock, effects of: study of isogravimetric capillary pressure in forelimb and intestine (Motsay et al.), 271
Physician reimbursement, teaching, and graduate training (Chase), 551
Pilonidal disease on outpatient basis, simplified treatment of (Broadrick, Ehrlich, and Kramer), 635
Pilot Medical School, Ohio State University (Williams et al.), 47
Plasma clot extraction of biliary duct calculi: preliminary report (Lipton, Caralps-Riera, and Estrin), 746
  ionized calcium and magnesium, canine, response to rapid infusion of acid-citrate-dextrose (ACD) solution (Killen et al.), 736
  perfusion, hypothermic, of isolated heart (Pitzele, Sze, and Dobell), 407
Platelet-deaggregating agents, inhibition of experimental arterial thrombosis in dogs with (Danese and Haimov), 920
  serotonin, reduction of, and response to pulmonary emboli (Rosoff, Salzman, and Gurewich), 12
Pneumonia as cause of death in children with tracheoesophageal fistula, pulmonary retention simulating (Haddadin and Emery), 311
Polymers, other carbohydrate, and acid mucopolysaccharides in man following surgery, urinary excretion of constituents of (Rosenfeld), 385
Polypropylene-supported collagen tubes, autogenous, for long-term arterial replacement (Parsonnet, Alpert, and Brief), 935
Popliteal aneurysms (Evans, Conley, and Bernhard), 762
Portacaval shunt, defect in liver regeneration following: ornithine decarboxylase (Fischer, Myers, and James), 182
  end-to-side and side-to-side, comparison of hemosiderosis and hematopoiesis after (Doberneck), 428
Portal circulation, arteriovenous fistula in (Van Way et al.), 876
  organs, splanchnic, characteristics of animals maintained without (Price et al.), 768
Preservation, successful 24 hour, of canine kidneys (Cooperman et al.), 399
  techniques, hepatic, in isolated rat liver, biochemical evaluation of (Draz et al.), 446
Presidential address, Society of University Surgeons (Egdahl), 1
  Vascular Surgery (Ellis), 801
  Allen O. Whipple Surgical Society (Powers), 489
Profunda femoris artery and saphenous vein, arteriovenous Quinton-Scribner shunt with (Belzer and Kountz), 443
Program overview (Powers) (Presidential address, Allen O. Whipple Surgical Society), 489
  of Seventeenth Annual Meeting of the Allen O. Whipple Surgical Society, 487
Prostheses, arterial, porous, external velour surface for (Sauvage et al.), 940
Prosthetic anastomosis, vascular, method of reinforcing (Sapirstein), 744
Pulmonary arteriosclerosis produced by hyperoxemic normotensive perfusion (Cohn, Kosek, and Angell), 723
  capillary damage in man, simultaneous use of three indicators to evaluate (Gump et al.), 262
  communication, perforated gastric duplication with: case report (Shochat et al.), 370
  disorders, radionuclide quantitation of lung function in patients with (Jones et al.), 891

Pulmonary—Cont'd
emboli, reduction of platelet serotonin and response to (Rosoff, Salzman, and Gurewich), 12
embolism, blood clot, absence of reflex pulmonary hypertension and systemic hypotension following (Williams, Bumgardner, and Campbell), 904
hypertension and systemic hypotension, reflex, following blood clot pulmonary embolism, absence of (Williams, Bumgardner, and Campbell), 904
microembolism after soft tissue injury in primates (Berman et al.), 246
retention simulating pneumonia as cause of death in children with tracheoesophageal fistula (Haddadin and Emery), 311
tumors, apical, biopsy of: open technique with needle biopsy (Schmidt and Kahle), 614
vascular resistance, effect of glucagon on (Kirsh et al.), 439
Pulsatile perfused dog kidney, hypothermic, simple tests for viability of (Liebau et al.), 459
Pyeloureteroscope, fiberoptic (Takagi et al.), 661

Q

Quebec health services program, impact on surgical training (MacLean), 529
Quinton-Scribner shunt, arteriovenous, with profunda femoris artery and saphenous vein (Belzer and Kountz), 443

R

Radionuclide quantitation of lung function in patients with pulmonary disorders (Jones et al.), 891
Refractory shock, role of lysosomal instability in development of (Bell et al.), 341
Rejection, delayed, of renal allografts in rat and dog by reduction of passenger leukocytes (Stuart et al.), 128
Renal allografts in rat and dog by reduction of passenger leukocytes, delayed rejection of (Stuart et al.), 128
with $F(ab')_2$ fragment of donor-specific antikidney serum, enhancement of (Shaipanich et al.), 113
arteries, aortic aneurysms involving origin of: simple solution to complicated problem (Robicsek, Mullen, and Daugherty) 425
homograft, hyperacute canine, and pig-to-dog heterograft rejection by intra-arterial infusion of citrate, modification of (Kux et al.), 103
Replacement, functional cardiac, development of experimental model for (Bernhard et al.) 205
Resection, successful in neonate: hepatic hemangioma (Tawes, Nelson, and Hyde), 782
Residency training, economics of: who should pay for graduate surgical education (Ginsberg), 500
Resident evaluation, system of (Gregory), 538
Resident—Cont'd
surgical, foreign graduate as (Warren and Haber), 546, (Shires), 549
Respiratory insufficiency: diagnosis and control of therapy (Peters and Hilberman), 280
support, prolonged, in newborn infants with membrane oxygenator (White et al.), 288
Revascularization, myocardial, for treatment of cardiogenic shock complicating acute myocardial infarction (Mundth et al.), 78

S

Salt secretion, bile, bile salt synthesis, and bile flow in primate, effect of biliary tract pressure on (Strasberg et al.), 140
synthesis, bile, bile salt secretion, and bile flow in primate, effect of biliary tract pressure on (Strasberg et al.), 140
Saphenous vein and profunda femoris artery, arteriovenous Quinton-Scribner shunt with (Belzer and Kountz), 443
Secretory epithelium, canine gastric, during formation of acute superficial erosions, hydrogen permeability of (Moody and Aldrete), 154
and gastric motor response to vagal stimulation in normal and diabetic dogs, simultaneous observation of (Sugawara, Chawla, and Eisenberg), 325
Septic shock, human, pattern and process (Siegel, Goldwyn, and Friedman), 232
Serotonin, platelet, reduction of, and response to pulmonary emboli (Rosoff, Salzman, and Gurewich), 12
Serum, antikidney, donor-specific, enhancement of rat renal allografts with $F(ab')_2$ fragment of (Shaipanich et al.), 113
Services program, Quebec health, impact on surgical training (MacLean), 535
surgical, in United States, assessment of quality of (Child), 535
Shock, cardiogenic, complicating acute myocardial infarction, myocardial revascularization for treatment of (Mundth et al.), 78
circulatory, presence of myocardial depressant factor in patients in (Lovett et al.), 223
endotoxin, canine, effects of methylprednisolone, and epinephrine tolerance in: study of isogravimetric capillary pressures in forelimb and intestine (Motsay et al.), 271
hemorrhagic, cellular transport defects in (Cunningham, Shires, and Wagner), 215
in rats, methods and critical uptake volume for (Bacalzo et al.), 555
septic, human, pattern and process in (Siegel, Goldwyn, and Friedman), 232
splanchnic circulatory responses to ouabain in (Ulano et al.), 678
refractory, role of lysosomal instability in the development of (Bell et al.), 341
traumatic and nontraumatic, effect on allograft survival (Markley, Thorton, and Smallman), 667
Shunt, arteriovenous, for pediatric hemodialysis (Buselmeier et al.), 638

Shunt, arteriovenous—Cont'd
Quinton-Scribner, with profunda femoris artery and saphenous vein (Belzer and Kountz), 443
portacaval, defect in liver regeneration following: ornithine decarboxylase (Fischer, Myers, and James), 182
end-to-side and side-to-side, comparison of hemosiderosis and hematopoiesis after (Doberneck), 428
splenocaval, reverse, intrasplenic thyroid implantation with (Dardik et al.), 561
Silicone rubber suction drain for drainage of subdural hematomas: technical report (Jackson and Pratt), 578
Silver lactate burn cream (Hoopes et al.), 29
Skills, operative, approach to evaluation of (Kopta), 297
Skin cell, mixed–leukocyte reaction (MSLR): new matching technique (Cochrum, Main, and Kountz), 97
Social Security Administration and Medicare: who should pay for graduate surgical education (Wolkstein), 510
Sodium metabolism and aldosterone secretion rate in children, effect of operation upon (Weldon et al.), 433
thiopental, anesthesia, deterioration of hemodynamic parameters during (Hellenbrand), 416
Splanchnic circulatory responses to ouabain in shock (Ulano et al.), 678
portal organs, characteristics of animals maintained without (Price et al.), 768
Splenocaval shunting, reverse, intrasplenic thyroid implantation with: morphologic and functional evaluation (Dardik et al.), 561
Stasis dermatitis and ulceration in lower limb, role of Linton flap procedure in management of (Field and Van Boxel), 920
Stomach in infants and children, acute volvulus of (Cole and Dickinson), 707
Stone, biliary duct, formation (Orda and Nathan), 375
Storage under hypothermic coronary perfusion, functional evaluation of heart after (Pitzel, Sze, and Dobell), 569
Stroke therapy, experimental, simultaneous and instantaneous blood flow and tissue gas measurements in (Reed and Owens), 254
Subdural hematomas, silicone rubber suction drain for drainage of: technical report (Jackson and Pratt), 578
Suction drain, silicone rubber, for drainage of subdural hematomas: technical report (Jackson and Pratt), 578
Surgery, American, assessment of issues facing (Zuidema), 493
arterial, evaluation of impedance flowmeter in (Van De Water et al.), 954
for chronic asynergy of left ventricle, current appraisal (Ellis), 801
university, and health care (Egdahl), (Presidential address, Society of University Surgeons), 1
Surgical correction of carotid artery obstruction in children (Parrish and Byrne), 962
education, graduate (*See* Education)
undergraduate (*See* Education)
Surgical—Cont'd
educator, views of: who should pay for graduate surgical education (Chase), 506
exposure of upper abdominal aorta and its branches (Elkins, DeMeester, and Brawley), 622
fee system (Welch), 523
manpower (Moore), 543
resident, foreign graduate as (Warren and Haber), 546, (Shires), 549
services in United States, assessment of quality of (Child), 535
therapy for early complications of myocardial infarction (Buckley et al.), 814
treatment of axillosubclavian venous thrombosis: case report (Rabinowitz and Goldfarb), 703
of congenital coronary artery fistula (Liotta et al.), 856
Sutures, biocidal, suppression of experimental tumor seeding by (Stephens), 348
Sympathectomy, lumbar, history of (Ewing), 790
Sympatholytic treatment of "paralytic" ileus (Petri, Szenohradszky, and Pórszász-Gibiszer), 359
Syndrome, short bowel, in puppies with 90 percent small intestinal resection, preileal transposition of colon to prevent development of (Hutcher and Salzberg), 189
System of resident evaluation (Gregory), 538
surgical fee (Welch), 523

T

Teaching physician reimbursement and graduate training (Chase), 551
Technique, closed, of hemorrhoidectomy (Ferguson et al.), 480
matching, new: mixed skin cell–leukocyte reaction (MSLR) (Cochrum, Main, Kountz), 97
new, for gastrotomy (Waugh), 368
of one-stage heterotopic pancreaticoduodenal autotransplantation in dogs (Uchida et al.), 604
preservation, hepatic, in isolated rat liver, biochemical evaluation of (Draz et al.), 446
Thiopental sodium anesthesia, deterioration of hemodynamic parameters during (Hellenbrand et al.), 416
Thoracic or abdominal trauma, blunt, unsuspected depressed cardiac output following (Pomerantz, Delgado, and Eiseman), 865
duct lymph, closed-circuit extracorporeal filtration of (Fitts et al.), 786
Thromboendarterectomy, effect upon muscle blood flow as measured by clearance of ^{133}xenon (Bell and Short), 649
Thrombosis, arterial, experimental, in dogs with platelet-deaggregating agents, inhibition of (Danese and Haimov), 920
axillosubclavian venous, surgical treatment of: case report (Rabinowitz and Goldfarb), 703
vein, deep, occult, diagnosis by noninvasive bedside technique (Wheeler et al.), 20

Thyroid implantation, intrasplenic, with reverse splenocaval shunting: morphologic and functional evaluation (Dardik et al.), 561
Tissue cardiac valves, autogenous (Shumacker), 848
gas and blood flow measurements, simultaneous and instantaneous, in experimental "stroke" therapy (Reed and Owens), 254
injury, soft, in primates, pulmonary microembolism after (Berman et al.), 246
Tracheoesophageal fistula, pulmonary retention simulation pneumonia as cause of death in children with (Haddadin and Emery), 311
Tract pressure, biliary, on bile flow, bile salt secretion, and bile salt synthesis in primate, effect of (Strasberg et al.), 140
Transfusion, exchange, or umbilical vein infusion, intestinal perforation in newborn infant as complication in (Sommerschild), 609
Transplantation, cephalic exchange, in monkey (White et al.), 135
kidney, infection in (Burgos-Calderon, Pankey, and Figueroa), 334
liver, orthotopic, in humans, hemodynamic alterations caused during (Pappas et al.), 872
pre-ileal, of colon to prevent development of short bowel syndrome in puppies with 90 percent small intestinal resection (Hutcher and Salzberg), 189
of small bowel in rat: technical and immunological considerations (Monchik and Russell), 693
Transplanted human heart, hemodynamic performance of (Griepp et al.), 88
Transposition, jejunal, or jejunectomy, adaptive change in ileal Na-K-ATPase activity after (Tilson and Wright), 421
Trauma, blunt, thoracic or abdominal, unsuspected depressed cardiac output following (Pomerantz, Delgado, and Eiseman), 865
Traumatic and nontraumatic shock, effect on allograft survival (Markley, Thorton, and Smallman), 667
Treatment of cardiogenic shock complicating acute myocardial infarction, myocardial revascularization for (Mundth et al.), 78
simplified, of pilonidal disease on outpatient basis (Broadrick, Ehrlich, and Kramer), 635
surgical, of axillosubclavian venous thrombosis: case report (Rabinowitz and Goldfarb), 703
of congenital coronary artery fistula (Liotta et al.), 856
Tumor, pulmonary, apical, biopsy of: open technique with needle biopsy (Schmidt and Kahle), 614
seeding, experimental, suppression by biocidal sutures (Stephens), 348

U

Ulceration and stasis dermatitis in lower limb, role of Linton flap procedure in management of (Field and Van Boxel), 920
Ulcers, gastric, standardized, in dogs, effect of aspirin and histamine on healing of (Sugawara, Lucas, and Walt), 590
Umbilical vein infusion or exchange transfusion, intestinal perforation in newborn infant as complication (Sommerschild), 609
Umbrella filter, inferior vena cava, present status of (Mobin-Uddin, Trinkle, and Bryant), 914
Undergraduate medical education (*See* Education)
surgical education (*See* Education)
United States, assessment of quality of surgical services in (Child), 535
University surgery and health care (Egdahl) (Presidential address, Society of University Surgeons), 1
Uptake volume and methods for hemorrhagic shock in rats (Bacalzo et al.), 555
Urinary excretion of constituents of acid mucopolysaccharides and other carbohydrate polymers in man following surgery (Rosenfeld), 378

V

Vagal stimulation in normal and diabetic dogs, simultaneous observation of gastric motor and secretory response to (Sugawara, Chawla, and Eisenberg), 325
Vagotomy, effect on motor function of gallbladder (Isaza et al.), 616
Valves, cardiac, tissue, autogenous (Shumacker), 848
Vasa vasorum, solid capillary buds of: proposed source for mammary implant–coronary artery anastomoses (Feinberg), 751
Vascular prosthetic anastomosis, method of reinforcing (Sapirstein), 744
resistance, pulmonary, effect of glucagon on (Kirsh et al.), 439
Vein infusion, umbilical, or exchange transfusion, intestinal perforation in newborn infant as complication in (Sommerschild), 609
saphenous, and profunda femoris artery, arteriovenous Quinton-Scribner shunt with (Belzer and Kountz), 443
thrombosis, deep, occult, by noninvasive bedside technique, diagnosis of (Wheeler et al.), 20
Velour surface, external, for porous arterial prostheses (Sauvage et al.), 940
Vena cava, inferior, umbrella filter, present status of (Mobin-Uddin, Trinkle, and Bryant), 914
Venous thrombosis, axillosubclavian, surgical treatment of: case report (Rabinowitz and Goldfarb), 703
Ventricle, left, in dogs, carotid artery loop for repeated catheterization of (Meier and Long) 796
surgery for chronic asynergy of: current appraisal (Ellis), 801
Ventricular bypass device, Baylor left, in normal calves, chronic implantation in (Shea and Bernstein), 580

Viscera, abdominal, effects of injection of live *Escherichia coli* organisms of dogs after denervation of (Kux et al.), 392
Volvulus, acute, of stomach in infants and children (Cole and Dickinson), 707

X

^{133}Xenon, effect of thromboendarterectomy upon muscle blood flow as measured by clearance of (Bell and Short), 656